रजिस्ट्री सं० डी एल—33001/93

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भारत का राजपत्र
The Gazette of India

प्राधिकार से प्रकाशित

PUBLISHED BY AUTHORITY

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No. 13] NEW DELHI, SATURDAY, MARCH 27, 1993 (CHAITRA 6, 1915)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके

[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2
[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 27th March 1993

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Unit No. 401 to 405, III Floor,
Municipal Market Building,
Saraswati Marg, Karol Bagh,
New Delhi-110 005.

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Telegraphic address "PATENTOFIC".

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Madras-600 002.

The States of Andhra Pradesh, Karnataka, Kerala, Tamilnadu and the Union Territories of Pondicherry, Laccadive, Minicoy and Aminidivi Islands.

Telegraphic address "PATENTOFIS".

Patent Office, (Head Office),
"NIZAM PALACE", 2nd M.S.O. Building,
5th, 6th and 7th Floor,
234/4, Acharya Jagadish Bose Road,
Calcutta-700 020.

Rest of India.

Telegraphic address "PATENTS"

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

Fees :—The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

पेटेंट कार्यालय

एकस्व तथा अभिकल्प

कलकत्ता, दिनांक 27 मार्च 1993

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट,
तीसरा तल, लोअर परेल, (पश्चिम),
बम्बई-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा दीव एवं दादरा और नागर हवेली ।
तार पता—"पेटोफिस"

पेटेंट कार्यालय शाखा,
एकल सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—"पेटेंटोफिक"

पेटेंट कार्यालय शाखा,
61, बालाजाह रोड,
मद्रास-600002 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप, मिनिकाय तथा अमिनिदिवि द्वीप ।

तार पता—"पेटोफिस"

पेटेंट कार्यालय (प्रधान कार्यालय)
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय,
भवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700020 ।

भारत का अवशेष क्षेत्र

तार पता—"पेटेंट्स"

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे।

शुल्क :—शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा सकती है ।

CORRIGENDA

In the Gazette of India Part III, Sec. 2, dated 26-12-92 in Col. 2, of page 1469, read the accepted complete specification No. 171759 as 171754.

Under the headings "PATENT SEALED" in the Gazette of India, Part III, Sec. 2, dated 13-02-1993 delete the number 169477.

THE PATENT OFFICE

Calcutta, the 20th March 1983

APPLICATIONS FOR PATENTS FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD CALCUTTA-20

The dated shown in the crescent brackets are the dates claimed under section 135, of the patents Act, 1970.

16th February 1993

92/Cal/93. Himont Incorporated. Polyolefin compositions having good transparency and impact resistance.

93/Cal/93. Essels tea exports limited. An improved process for producing C.T.C. green tea.

94/Cal/93. NORPHARMCO INC. Formulations containing hyaluronic acid. (Convention No. 2,061,702 filed on 20-2-92. Canada)

95/Cal/93. Norpharmco INC. Treatment of disease employing hyaluronic acid and nsaids. (Convention No. 2,061,566 filed on 20-2-92 Canada).

96/Cal/93. Degussa Aktiengesellschaft. Reduction in the quantity of NO_x in lean exhaust gas of motor vehicle engines.

97/Cal/93. ABB Henschel Waggon Union Gmbh., Swivel roof for railway goods wagons.

17th February 1993

98/Cal/93. A. Ronald Chandrakumar. Multifilament Bulb with movable pins.

99/Cal/93. Concast standard AG. Process for the continuous casting of metal, in particular of steel into bloom and billet cross-sections.

100/Cal/93. 1. New York University. 2. Universita. Degli Studi "G.D.1 Annunzio"—clieti. A. 90 K Tumor-associated antigen, IR-95

101/Cal/93. Max-planck gesellschaft zur forderung der wissenschaften E.V., Genetic sequences for a 90K tumor-associated antigen, IR-95.

18th February 1993

102/Cal/93. 1. Max-Planck-Gesellschaft Zur Forderung der Wissenschaften E.V. 2. Universita. Degli Studi "G.D.1 Annunzio"—clieti. Genetic sequences for a 90k tumor-associated antigen, IR-95.

103/Cal/93. Norsolor. Process for the polymerization of olefins. [Divided out of No. 448/Cal/89 dated 13-6-89].

19th February 1993

104/Cal/93. Veag Vereinigte Energiewerke Aktiengesellschaft. A process and an equipment to moisten the power-plant filter ashes.

105/Cal/93. Memminger-iro gmbh. Thread brake.

106/Cal/93. Mwb High Voltage Systems Gmbh. Device and sensor for the measurement of voltage and/or intessity.

107/Cal/93. Nippon Shokubai Co., Ltd. Silver catalyst for production of ethylene oxide and method for production of the catalyst.

19th February 1992

108/Cal/93. Zimpro Passavant Environmental Systems, Inc. Wet Oxidation of Ammonium salt containing Liquors.

109/Cal/93. Hydro-Quebec Indirect cerium Mediated Electrosynthesis.

110/Cal/93. Innovata Biomed Limited. Metering Device (Convention No. 9203761.3 dated 21-2-92 (U.K.).

22nd February 1992

111/Cal/93. Ramnarayan Chakraborty. Solar Boiler.

112/Cal/93. Pareshnath. Pal. A process for preparation of Herbicidal composition with alkanet root.

113/Cal/93. (1) Fritz Shahlecker and (2) Hans Stahlecker. A two-apron drafting unit for spinning machines.

114/Cal/93. Emitec Gesellschaft Fur Emissionstechnolgie. mbh. Conical Honeycomb body.

115/Cal/93. Westinghouse electric corporation. Improvements in or relating to gas turbine blade alloy.

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES, IIIRD FLOOR, SUN MILL COMPOUND, LOWER PAREL (W). BOMBAY-13

28-12-1992

424/BOM/92. Safari Industries (India) Limited. An improved centre lock for suitcase, briefcase, or like luggage.

425/BOM/92. Safari Industries (India) Limited. An improved side lock for suitcase, briefcase or like luggage.

426/BOM/92. Mrs. Kusum Zalavadia. An improved electronic fan regulator.

427/BOM/92. M/s. Four Eyes Research (P) Ltd. A modified front end loader for mixing, aerating and loading compost materials.

29-12-1992

428/BOM/92. Shahaji Bhanudas Bhad. An improved multijet spray condenser.

429/BOM/92. Hindustan Lever Ltd. Composition.

30-12-1992

430/BOM/92. Dr. Dilip Umakant Pathak. Atraumatic Ball tip ligature introducing needle.

431/BOM/92. Paramount Sinters Pvt. Ltd. A process for the production of electrolytic nickel from primary and/or secondary nickel (resources).

31-12-1992

432/BOM/92. Sardar Patel Renewable Energy Research Institute. Solar refrigerator.

433/BOM/92. Prof Kishorilal Munshi. Electronic light scanning shutter.

1-1-1993

1/BOM/93. Nishin Jain. Improved septic tank.

2/BOM/93. Vinay Kumar Shridhar. A device for automatic and precise control of thickness of asbestos sheets and the like.

4-1-1993

3/BOM/93. Nilkanth Shankar Nalavade & others. An improved sugarcane harvesting knife.

4/BOM/93. Vijay Vishnu Bhide. Improvement in verticle, horizontal, domestic or commercial flour mill; by utilization of spline shaft.

5/BOM/93. Uttambhai Sambhu Patil & Rajendra Uttambhai Patil. The process of manufacturing matches from jute and alied fiberous substances (cotton etc.).

6/BOM/93. W.G. Desai & P.W. Desai. Process for continuous reclaiming of scrap rubber.

5-1-1993

7/BOM/93. Mitsubishi Denki Kabushiki Kaisha. Differential protective relay apparatus.

6-1-1993

8/BOM/93. Dr. Dilip Umakant Pathak. Reusuable continuous suture needle.

7-1-1993

9/BOM/93. Star Holding & Electronics Research Pvt. Ltd. An improved optoelecetronic sensor for detecting deft distortion in fabrics.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

1st February 1993

63/MAS/93. R. Ravindranath (method) for avoiding the accidents in railways.

64/MAS/93. Krupp Widia GmbH. Tool with wear resistant cutting edge made of cubic boron nitride or poly crystalline cubic boron nitride, process for its manufacture and its application.

65/MAS/93. Krupp Widia GmbH. Tool with wear resistant cutting edge, process for its production and its application.

66/MAS/93 .Sandvik AB. Tool for road planing cutter.

67/MAS/93. Bac-Pritchard, Inc. Improved structural assembly.

68/MAS/93. Lipha, Lyonnaise Industrielle Pharmaceutique. Processes for preparing new azaindoles.

69/MAS/93. Maschinenfabrik Rieter AG. Spinning machine.

70/MAS/93. International Thermal Packaging, Ind. A device and a method for simultaneously heating and cooling separate zones. (Divisional to Patent Application No. 200/MAS/89).

2nd February 1993

71/MAS/93. Prasad Paramashivappa. A pocket microscope.

72/MAS/93. Dr. Axel Kirsch; Eberle Medizintechnische Elements GmbH and Am Steinernen Kreuz (Divisional to Patent Application No. 908/MAS/89).

73/MAS/93. FCB. Process and apparatus for the heat treatment of minerals in the form of powders (February 6, 1992; Australia).

3rd February 1993

74/MAS/93. BASF Aktiengesellschaft. Catalyst system for the polymerization of C_2-C_{10}-alkenes.

75/MAS/93. Hedley Purvis Limited. Torque Wrench. (February 10, 1992) (Great Britain).

76/MAS/93. The South India Textile Research Association. An instrument to Estimate Nepping Potential of Fibers.

77/MAS/93. Chittur Subramaniaiyer Krishnaswamy. A process for improving the quality of natural rubber latex examination gloves.

4th February 1993

78/MAS/93. Henkel Kommanditgesellschaft Auf Aktien. A process for the production of granules suitable as wetting agents, detergents and/or cleaning products.

79/MAS/93. Henkel Kommanditgesellschaft Auf Aktien. A process for the production of granules suitable as wetting agents, detergents and/or cleaning products.

80/MAS/93. Henkel Kommanditgesellschaft auf Aktien. New low-dust anionic surfactant concentrates in powder or granule form with improved solubility in aqueous media.

81/MAS/93. Henkel Kommanditgesellschaft auf Aktien. A simplified drying process for useful materials or mixtures from the field of detergents and cleaning products using superheated steam.

82/MAS/93. Henkel Kommanditgesellschaft auf Aktien. An improved process for drying useful materials for detergents and cleaning products using superheated steam.

83/MAS/93. Henkel Kommanditgesellschaft Auf Aktien. A process for drying useful materials or mixtures of useful materials suitable as wetting agents, detergents and/or cleaning products.

84/MAS/93. Henkel Kommanditgesellschaft auf Aktien. A process for the improved removal of vapors in drying with superheated steam.

85/MAS/93. Henkel Kommaanditgesellschaft Auf Aktien. An improved process for the production of surface-active anionic surfactant salts by spray neutralization in a hot gas phase.

5th February 1993

86/MAS/93. Central Power Research Institute. A process for preparing a zirconia based ceramic coating material capable of being plasma coated.

87/MAS/93. Huls Aktiengesellschaft. Method for eliminating mercury from liquids.

8th February 1993

88/MAS/93. S. Jayakumar. Automatic feeder.

89/MAS/93. Rajaram Satyanarayanan. A multilingual computer keyboard system.

90/MAS/93. Dana Corporation. Self-locking metal cap and plastic bearing.

91/MAS/93. Dana Corporation. Apparatus for balancing a combined assembly of a drive shaft and axle input shaft.

92/MAS/93. O-I Brockway Glass, Inc. A bronze alloy glass making mold and a method of making the same. (Divisional to Patent Application No. 662/MAS/89).

93/MAS/93. Rieter Ingolstadt. Method and apparatus for correcting the point of application and the intensity of regulation of a draw frame regulator.

9th February 1993

94/MAS/93. Sukumaran Kamperampil Vijayan. Self-energy generator intended for self-propelent motor vehicles, Self-house power supplier & self-functioned revolving devices.

95/MAS/93. Girivas Viswanath Shet. A method of supplying pure coral from Italy through an institution namely Sonia Gandhi Coral House for wearing them by wifes to protect their husbands from dangers.

96/MAS/93. SMS Schloemann-Siemag Aktiengesellschaft. Universal rolling mill stand

97/MAS/93. Asea Brown Boveri Ltd. Method for determining a frequency/time profile of hits, and device for carrying out the method.

98/MAS/93. Mechatronics Holding AG. Method for encoding a human speech signal.

99/MAS/93. Institut Francais Du Petrole. Exhaust manifold with catalytic wall for internal combiuqtion engines.

100/MAS/93. Prince Manufacturing, Inc. Monoshaft composite tennis bacquet.

10th February 1993

101/MAS/93. Zellweger Uster AG. Method and device for regulating the draw of a drawing unit.

102/MAS/93. Ammonia Casale S.A. Method to carry out heterogeneous synthesis in converters with walls protected against high temperatures and converters obtained in this manner.

103/MAS/93. Akzo NV. Polyester fibre and process for the production thereof.

104/MAS/93. Peter Gerber. Laser on light target designator device.

105/MAS/93. Ecoair Corporation. Control system for an air-conditioning refrigeration system.

12th February 1993

106/MAS/93. Haynes International Inc. Nickelmolybdenum alloy.

107/MAS/93. Lonza Ltd. Pigment coated hard oxide particles, a process for their manufacture and their use.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET, BUILDING, IIIRD FLOOR, KAROL BAGH, NEW DELHI-110005.

28th December 1992

1258/Del/92. Miss Pushpa Khanna (Retd.), "Isolation of a hypoglycaemic sublingually effective polypeptide-P from a plant source".

1259/Del/92. Rajeev K. Gagneja and other, "Improvement in cigarette paper".

1260/Del/92. Felice Pecorari, "Volumetric fluid machine, endothermic or not, equipped with pistons, having reciprocating movement in the liner block without connecting rods, rigidly connected to the driving shaft or not".

29th December 1992

1261/Del/92. Allied-Signal Inc., "High modulus polyester yarn for tire cords and composites".

1262/Del/92. Telefonaktiebolaget LM Eriisson, "An electric cable".

30th December 1992

1263/Del/92. Whirlpool Corporation, "Verticle axis washer".

1264/Del/92. Whirlpool Corporation, "Method of washing fabric articles in a vertical axis washer".

1265/Del/92. Whirlpool Corporation, "Method for rinsing fabric articles in a vertical axis washer".

1266/Del/92. Whirlpool Corporation, "Spin method of washing fabric a horizontal axis washer".

1267/Del/92. Whirlpool Corporation, "Tumbling method of washing fabric in horizontal axis washer".

1268/Del/92. Whirlpool Corporation, "Spin method of rinsing fabric in a horizontal axis washer".

1269/Del/92. E.R.T. Environmental Research Technology K.S.P. Inc., "Liquid sorbent".

1270/Del/92. The Whitaker Corporation, "Emi Shield and assembly using same".

1271/Del/92. The Whitaker Corporation, "Mounting bracket for an electrical connector".

1272/Del/92. The Whitaker Corporation, "Internal/external antenna switch connector".

31st December 1992

1273/Del/92. Council of Scientific & Industrial Research, "Improvements in or relating to the development of a nonetching highspeed chromium plating electrolyte".

1274/Del/92. Council of Scientific & Industrial Research, "Processing and development of a new ceramic substrate $GdBa_2N0_6$ for microwave applications and processing and fabrication of superconducting $Y1Ba_2Cu_8.O7-_8$ screen-printed thick film on $GdBa_2$ BbO_6 substrate".

1275/Del/92. Council of Scientific & Industrial Research, "An improved process for deposition of 2-layer antireflective coatings on ophthalmic and other circular glass lenses by Solgel processing".

1276/Del/92. Council of Scientific & Industrial Research, "Improved process for the fabrication of CuSe photo electrochemical cells employing gel confined electrolytes".

1277/Del/92. Council of Scientific & Industrial Research, "A process for the preparation of plastic states".

1278/Del/92. Council of Scientific & Industrial Research, "Novel method for antifeedant extraction from neem leaves (Azadichta indica) and its utilization for the control of pests".

1279/Del/92. Council of Scientific & Industrial Research, "A process for the preparation of poly (4-(4-hydroxy-2-pentadecyl phynyl)azo) benzoic acid".

1280/Del/92. Council of Scientific & Industrial Research, "A process for the preparation of 4-(4-hydroxy-2-pentadecyl phenyl) azo) benzoic acid".

1281/Del/92. Council of Scientific & Industrial Research, "A process for the preparation of ammonium sulphate, calcium carbonate and magnesium sulphate from waste phospogypsum".

1282/Del/92. Council of Scientific & Industrial Research, "A process for the preparation of novel crosslinked macroporous glycidyl copolymers".

1283/Del/92. Council of Scientific & Industrial Research, "An improved process for the purification of steroid hormone-protein conjugates which are useful for production of antibodies".

1284/Del/92. Council of Scientific & Industrial Research, "A device for the measurement of volume change of triaxial soil samples during triaxial test".

1285/Del/92. Council of Scientific & Industrial Research, "An improved process for the preparation of polyolefins bearing a pendant reaction vinyl unsaturation".

1286/Del/92. Council of Scientific & Industrial Research, "An improved process for the preparation of copper silica denydrogenation catalyst".

1287/Del/92. Societe De Fabrication D'Instruments de Mesure, "A device for providing mechanical and thermal protection, in particular for protecting data recorders installed on board aircraft".

1288/Del/92. Hughes Aircraft Co., "Apparatus and method for fabricating a chirped grating in a surface emitting distributed feedback semiconductor laser diode device".

1st January 1993

1/Del/92. The Procter & Gamble Co., "Resilient plastic web exhibiting reduced skin contact area and enhanced fluid transfer properties".

2/Del/93. Whirlpool Corporation, "Tumble method of rinsing fabric in a horizontal axis washer".

3/Del/93. P.P. Ahamed Kutty, "Reclaimed rubber latex".

4/Del/93. Motorola Inc., "Increased speech interleave with reduced delay".

5/Del/93. Gould Inc., "Improved protected conductive foil assemblage and procedure for preparing same using static electrical forces".

4th January 1993

6/Del/93. Stein Industrie, "A device for treating flue gases containing gaseous pollutants".

7/Del/93. Edap International, "Method for sighting an anatomic target with a view to treatment thereof by focused elastic waves and device implementing this method for treatment of the prostate of hyperthermy".

8/Del/93. Edap International, "Ultra-high power extracorporeal ultrasound hyperthermia device and its operating method".

5th January 1993

9/Del/93. Renu Bhagat & Other, "An improved process for the extraction of zinc from solution containing zinc".

10/Del/93. Shell Oil Co., "Diels-alder process".

6th January 1993

11/Del/93. BMC Technology Corporation, "Process of manufacturing multilayer ceramic capacitors".

12/Del/93. Lenzing Aktiengesellschaft, "Aminoxide".

7th January 1993

13/Del/93. Carillon Development Ltd., "An audio switching system". (Convention date 9th January 92) (Australia).

14/Del/93. Recovermat Technologies, Inc, "Method of recycling construction and demilition debris and article produced thereby.

8th January 1993

15/Del/93. Council of Scientific & Industrial Research, "A process for the preparation of alkyl acrylate copolymers as fluidity improvers and wax deposit inhibitors". [Divisional date 19th April 1989].

16/Del/93. Council of Scientific & Industrial Research, "A petroleum crude oil composition having improped pour and flowability charateristics at low temperatures and having low depositional tendencies". [Divisional date 19th April 1989].

17/Del/93. Council of Scientific & Industrial Research, "A petroleum crude oil composition having improved pour and flowability characteristics at low temperatures and having low depositional tendencies". [Divisional date 19th April 1989].

18/Del/93. Council of Scientific & Industrial Research, "A process for the preparation of 6-Acetamido-5-bromo-1-substituted-9H-pyrido (3, 4-b) indoles useful as antifunval agents".

19/Del/93. Council of Scientific & Industrial Research, "A process for the preparation of 5-bromo-6-methane sulfonamido-1-phenyl-9H-pyrido (3, 4-b) indoles useful as antifungal agents".

11th January 1993

0020/Del/93. Virgin Metals (Canada) Limited, "Autogenous roasting of iron ore".

(Convention date 9th January 1992 (U.K.).

0021/Del/93. Virgin Metals (Canada) Limited, "Direct steel-making process".

(Convention date 9th January, 1992) (U.K.).

12th January 1993

0022/Del/93. Russell Douglas IDE, "Shaft support assembly for use in a polygon mirror drive motor".

0023/Del/93. General Electric Company ,"Reduced cost dry low nox combustor cap primary assembly".

0024/Del/93. General Electric Company, "Apparatus and methods for reducing fuel/air concentration oscillations in gas turbine combustors".

0025/Del/93. The Lubriol corporation, "Additive injection system and method".

0026/Del/93. Rohm and Haas Company, "Solvent resistant latex paint".

13th January 1993

0027/Del/93. Kraft General Foods, Inc., "Coffee product high in dietary soluble fiber and process for making it".

14th January 1993

0028/Del/93. Honda Giken Kogyo Kabushiki Kaisha, "Vehicle power transmission apparatus".

0029/Del/93. Tenneco Canada Inc., "An integrated method for the production of chlorine dioxide and sodium hydroxide".

(Convention date 26th July 1988) (Canada) [Divisional to 1076/D/88].

0030/Del/93. Sab wabco holdings B.V., "An end piece for a rail vehicle slack adjuster".

0031/Del/93. Avl Gesellschaft fur Verbrennungskraftmaschinen und Messtechnik MBH-Prof. Dv. Dr. H. C. Hans List, "Two-stroke internal combustion engine".

15th January 1993

0032/Del/93. The Procter & Gamble Company, "Colorless detergent composition with enhanced stability".

0033/Del/93. The Procter & Gamble Company, "Granular laundry compositions having improved solubility".

18th January 1993

34/Del/93. The Morgan Crucible Company Plc., "Saline soluble inorganic fibres".

(Convention date 17-1-1992 (U.K.).

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19th January 1993

37/Del/93. Motorola Inc., "A portable radiotelephone apparatus". [Divisional dated 2nd May 1989].

38/Del/93. Zeon Chemicals U.S.A., Inc., "Curable Halobutyl Rubber/Poly-epihalohydrin rubber blends".

20th January 1993

39/Del/93. A.K. Madan and P.D. Grover, "Urea based inclusion compounds of vitamin A esters".

40/Del/93. A.K. Madan and P.D. Grover, "A process for microencapsulation of lowdose drugs".

41/Del/93. Sidwal Refrigeration Industries Private Limited, "A fin on tube stack".

42/Del/93. Piaggio Veicoli Europei S.P.A., "Auxiliary carburation device in direct fuel injection engines".

43/Del/93. The Goodyear Tire & Rubber Company, "Improved agricultural tire".

44/Del/93. The Goodyear Tire & Rubber Company, "Chitosan reinforced tires and method of incorporating chitosan into an elastomer".

45/Del/93. Karl Fischer Industrieanlagen Gmbh, "Melt formed from polyurethane and/or polyurethane urea elastomer".

21st January 1993

46/Del/93. Zeneca Limited, "Chemical compositions".
(Convention date 6th March, 1992) (U.K.).
(Convention date 26th May, 1992) (U.K.).

47/Del/93. Allied signal Limited, "Fluid pressure operable actuators".
(Convention date 28th January, 1992) (U.K.).
(Convention date 11th July 1992) (U.K.).
(Convention date 20th August 1992) (U.K.).

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(Convention date 6th March, 1992) (U.K.).

49/Del/93. The Lubrizol corporation, "Concentrated aqueous metal dithiop phosphates and methods of using the same".

22nd January 1993

50/Del/93. Watertec (Malaysia) Sdn Bhd., "A tap head assembly".

51/Del/93. Agrolinz Agrarchemilalien Gesellschaft m.b.H., "Herbicidal N-cyanopyridazinones".

52/Del/93. Bofors AB, "Securement of liner for shaped charge".

53/Del/93. Unice Machine Company Inc., "Mill feeder roll".

ALTERATION OF DATE

172058—Antedated to 27th October, 1987.
(323/Cal/1990).

172059—Antedated to 12th April 1989.
(1000/Cal/90)

172060—Antedated to 12th April 1989.
(1001/Cal/90).

Patent No. 172079—Ante-dated to 31st October 1986.
(621/M/90).

172081—Filed on 18 April 1986.
(347Del/86)—Ante-dated 07-05-1983.

COMPLETE SPECIFICATION ACCEPTED

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स्वीकृत सम्पूर्ण विनिर्देश

तद्द्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अधिक ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकस्व को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं । विरोध संबंधी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिएं ।

"प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अंतर-राष्ट्रीय वर्गीकरण के अनुरूप है।"

नीचे सूचीगत विनिर्देशों की सीमित संख्यक मुद्रित प्रतियां, भारत सरकार बुक डिपो, 8, किरण शंकर राय रोड, कलकत्ता में विक्रय हेतु यथा समय उपलब्ध होंगी । प्रत्येक विनिर्देश का मूल्य 2/- रु. है । (अतिरिक्त डाक खर्च) । मुद्रित विनिर्देश की आपूर्ति हेतु मांग-पत्र के साथ निम्नलिखित सूची यथा प्रदर्शित विनिर्देशों की संख्या संलग्न रहनी चाहिए ।

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरांत उसकी अदायगी पर की जा सकती है । विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृति विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 4 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 4/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Cl. : 32 F 2a **172051**

Int. Cl.[4] : C 07 C 147/12.

A PROCESS FOR THE PREPARATION OF AMINOARYL-β-SULFATOETHYL-SULFONE COMPOUNDS.

Applicant : HOECHST AKTIENGESELLSCHAFT OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventor : WALTER RUPP.

Application No. 967/Cal/88; filed on 24th November 1988.

Appropriate Office for Opposition Procedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

14 Claims

A process for the preparation of an aminoaryl-ß-sulfatoethylsulfone of formula (I),

$$(HO_3SO—CH_2—CH_2—SO_2)_m —AR X Ar — NH_2$$

in which Ar is an optionally substituted aryl radical and m denotes the number 1 or 2 by reaction of a compound of the general formula (II)

$$(HO—CH_2—CH_2—SO_2)_m —Ar — N(R) — H$$

in which m and Ar are defined as above and R is a hydrogen atom or an acyl group, with sulfuric acid, which process comprises spraying a mixture of that compound of formula (II) with sulfuric acid, that mixture being selected from a solution suspension or a paste and the molar ratio of the compound of formula (II) to sulfuric acid in said mixture being from 1 : 1 to 1 : 1.15, into a hot gas stream, such as herein described, of a convection dryer, thus carrying out said reaction, the hydrolysis of any acylamino group and the drying synchronously in this convection dryer.

Compl. Specn. 35 pages. Drngs. 3 sheets

Cl. : 32 A 1 **172052**

Int. Cl.[4] : C 09 B 29/00.

PROCESS FOR PREPARING MONOAZO PIGMENTS.

Applicant : HOECHST AKTIENGESELLSCHAFT OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

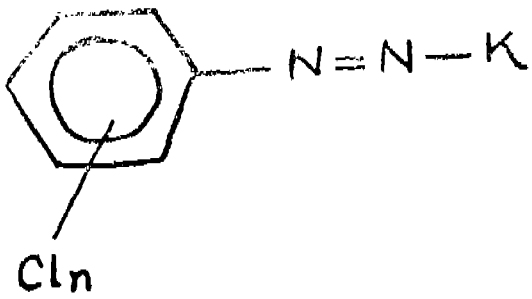
Inventor : WOLFGANG RIEPER.

Application No. 968/Cal/88; filed on November 24th 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

7 Claims

A process for preparing the monoazo pigment of the formula (I) of the accompanying drawings,



FORMULA – (I)

where K is the radical of an CH-acidic coupling component of the acetoacetarylamide or naphthol series as herein described and n is 2 or 3, which contain not more than 25 μg of polychlorinated biphenyls having at least 4 chlorine atoms (PCHs) per g of pigment, determined by first dissolving the pigment in concentrated surfuric acid, then transferring the PCB portions into an apolar organic solvent, and analyzing therein for PCB in a conventional manner, by azo coupling a di-or trichlorobenzene diazonium salt or a mixture of a plurality of such diazonium salts with at least one CH-acidic coupling component H-K of the above mentioned acetoacetarylamide or naphthol series in an aqueous medium, characterized in that

(a) azo coupling is effected by adding the diazonium salt solution to a suspension or solution of the coupling component or by simultaneously metering the aqueous suspensions or solutions of the diazonium salt and of the coupling component into the reaction mixture,

(b1) between pH 4 and 7 during and after azo coupling of less than pH 7 and in the following manner

(b1) between pH 4 and 7 during and after azo coupling less than 0.05 mol-%

(b2) at pH 2 to 4 during azo coupling less than 5 mol-%. and

(b3) at pH<2 during azo coupling less than 25 mol-% of diazonium salt is detectable in the reaction mixture and in pH ranges (b2) and (b3) more than 0.05 mol-% of diazonium salt is not present for longer than a total of 8 hours, more than 5 mol -% diazonium salt is not present for longer than a total of 4 hours and more than 15 mol -% of diazonium salt is not present for longer than a total of 2 hours, the mol -% ages of diazonium salt each being based on the total number of moles of coupling component present in the reaction mixture and pigment already formed.

(c) azo coupling is effected at a temperature or temperatures of 0 to 50°C, preferably 20 to 40°C,

(d) azo coupling is effected in the absence of nitrite ions, and

(e) azo coupling is carried out in the absence or presence of coupling assistants or coupling accelerants.

Compl. Specn. 24 pages. Drgns. 1 sheet

Cl.: 28 A, C. 172053

Int. Cl.[4]: F 23 L 1/00, 9/00,
F 23 k 5/00.

PROCESS AND APPARATUS FOR POST COMBUSTION OF REACTION GASES GENERATED IN MOLTEN IRON BATH.

Applicat: KLOCKNER CRA PATENT GMBH OF KLOCKNERSTRASSE 29, 4100 DUISBURG 1, WEST GERMANY.

Inventors: (1) GREGORY JOHN HARDIE, (2) JOHN MICHAEL GANSER.

Application No. 89/Cal/89; filed on 27th January 1989.

(Convention Nos. are PI 6741, PI 6745, PI 9558; dated 12-02-1988: 12-02-1988; 29-07-1988; in Australia).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

24 Claims

A process for post combustion of reaction gases generated in a molten iron bath above the bath by means of at least one jet of oxidizing gases, whereby energy thereby produced in transferred to the bath, characterised in that the or each jet of oxidizing gases is injected with a swirl through one or more tuyeres towards the surface of the bath.

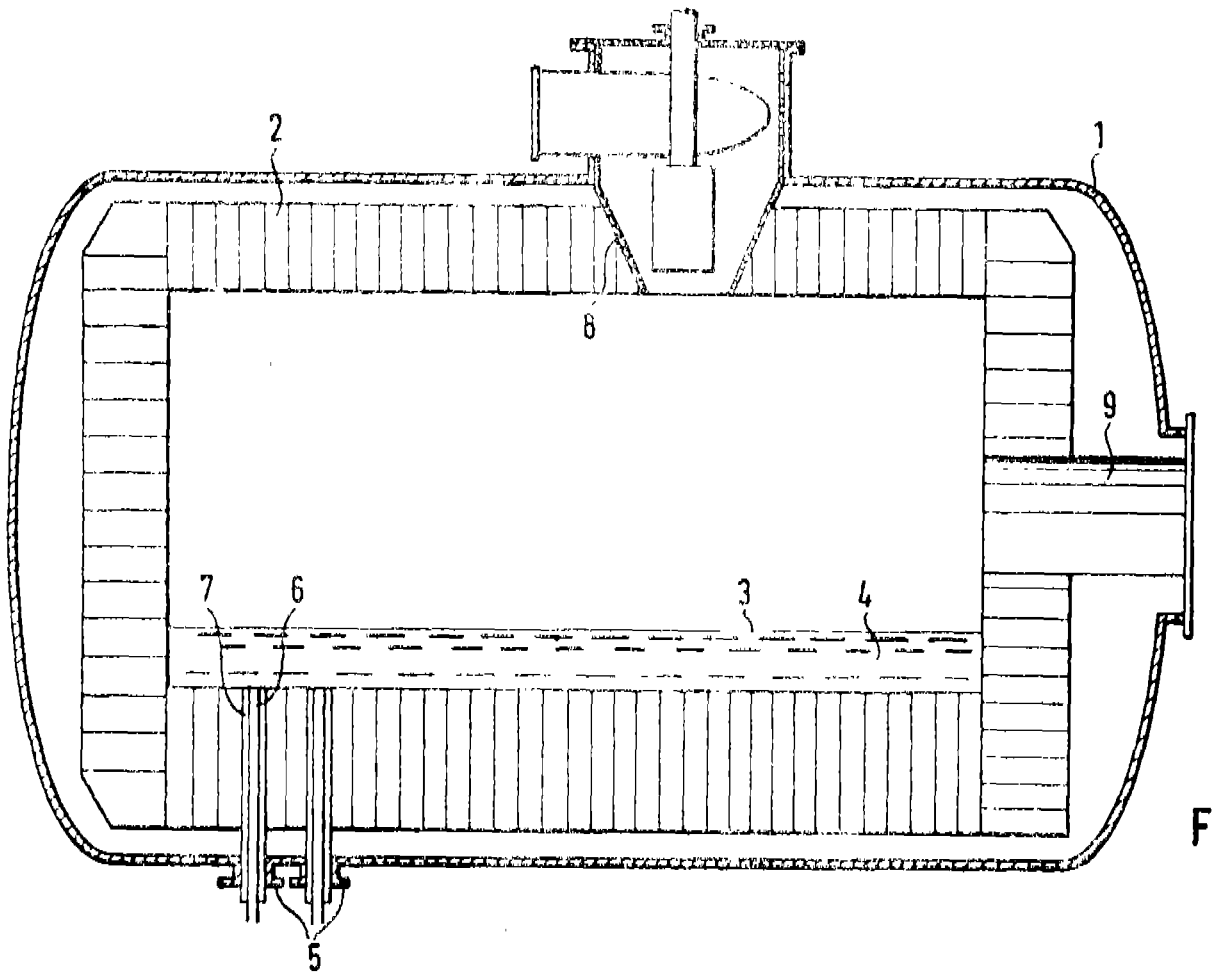


FIG 1

Compl. Specn. 20 pages. Drgns 2 sheets

Cl. : 32 F1 172054

Int. Cl. : C 07 C 19/08.

A PROCESS FOR THE PREPARATION OF 1, 1, 1, 2-TETRAFLUOROETHANE BY FLUORINATION OF 1, 1, 1, -TRIFLUOROCHLORO-ETHANE.

Applicant : E.I. DU PONT DE NEMOURS AND COMPANY OF WILMINGTON DELAWARE, UNITED STATES OF AMERICA.

Inventor : (1) LEO ERNEST MANZER.

Application No. 145/Cal/89; filed on 20th February 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta.

13 Claims

A process for the preparation of 1, 1, 1, 2-tetrafluoroethane by fluorination of 1, 1, 1-trifluorochloroethane, which process comprises contacting in the gaseous phase at 300°C to 500°C said 1, 1, 1-trifluoro-chloroethane with HF and a metallic catalyst comprising at least one metal characterised in that said metal is selected from a group consisting of a metal from groups VIII, VIIB, IIIB, IB and/or a metal having an atomic number of 58 through 71, said metal supported on aluminium fluoride or carbon, and having an oxidation state greater than zero,

said contacting producing a product stream containing 1, 1, 1, 2-tetrafluoroethane and, thereafter,

separating in a conventional manner the 1, 1, 1, 2 tetrafluoroethane from the product stream.

Compl. Specn. 17 pages. Drgns. Nil

2—517GI/92

Cl. : 32 B 172055

Int. Cl.* : C 07 B 37/00,
C 07 C 15/085, 15/00.

PROCESS FOR PRODUCING ALKYLBENZENE BY ALKYLATION OF BENZENE.

Applicant : LUMMUS CREST INC. OF 1515 BROAD STREET, BLOOMFIELD, NEW JERSEY 07003, UNITED STATES OF AMERICA.

Iventors :

(1) HELION HERBERT SARDINA.
(2) JOHN EARLE PAUSTIAN.
(3) ROGER CHARLES JOHNSON.
(4) ROBERT PAYNE COX.

Application No. 300/Cal/89; filed on 19th April 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

19 Claims

A process for producing alkyl benzene by alkylation of benzene in the present of an alkylation catalyst, comprising :

introducing benzene into an alkylator having at least two reaction stages each containing known alkylation catalyst said benzene being introduced into at least the first stage, and introducing a feed of fresh olefin into each of said at least two stages of alkylator, the alkylation conditions in each of said at least two reaction stages are at temperatures from 150°F to 90°F, at a pressure from 150 psig to 2,000 psig and an overall benzene to olefin ratio from 2 : 1 to 15 : 1.

Compl. Specn. 21 pages. Drgns. 4 sheets

Cl.: 32 F1 172056

Int. Cl.: C 07 C 19/08.

PROCESS FOR THE PREPARATION OF 1, 1, 1, 2-TETRAFLUOROETHANE.

Applicant: E.I. DU PONT DE NEMOURS AND COMPANY OF WILMINGTON, DELAWARE, UNITED STATES OF AMERICA.

Inventors: (1) CARL STEPHEN KELLNER (2) VELLIYUR NOTT MALLIKARJUNA. RAO.

Application No. 379/Cal/89; filed on 17th May 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office, Calcutta.

4 Claims

A process for the preparation of 1, 1, 1, 2-tetrafluoroethane comprising contacting in the gaseous phase at a temperature of between 200°C andl 300°C 1, 1, 1, 2-tetrafluorochloroethane wih H_2 the amount of H_2 being at least 0.5 moles per more of 1, 1, 1. 2-tetrafluorochloroethane, the reaction being carried out in the presence of a catalyst consisting essentially of palladium on an aluminum fluoride or fluorinated alumina support, the concentration of the palladium on the support ranging from 0.1% to 10% by weight and the fluorine content of the support corresponding to a fluorine to aluminum ratio of at least 2.4.

Compl. specn. 8 pages. Drgns. Nil

Cl.: 40 E 172057

Int. Cl.: B 01 D 39/20.

A FILTER COMPRISING A POROUS METAL SUBSTRATE AND PROCESS FOR MAKING THE SAME

Applicant: E.I. DU PONT DE NEMOURS AND COMPANY OF WILMINGTON, DELAWARE UNITED STATES OF AMERICA.

Inventors: (1) JOSEPH LEO GADDIS, (2) DANIEL ALAN JERNIGAN.

Application No. 729/Cal/89; filed on 05-09-1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta.

11 Claims

A filter comprising a porous metal substrate formed from particles having a diameter of from 30 to 100 micrometers and a pore size of from 0.5 to 10 micrometers, the pores of which on one side of the substrate are filled to a depth of 30 to 100 micrometers with sintered metal oxide powder having a diameter of from 0.2 to 1.0 micrometers.

Compl. Specn. 14 pages. Drgns. Nil

Cl.: 40 F 172058

Int. Cl.: A 23 L 3/10.

APPARATUS AND METHOD FOR PRODUCING STERILIZED LEAFY HERBS AND SPICES WITHOUT SUBSTANTIAL LOSS OF VOLATILE MATERIAL.

Applicant: MCCORMICK & COMPANY INCORPORATED OF 11350 MCCORMICK ROAD, HUNT VALLEY, MARYLAND, 21031, UNITED STATE OF AMERICA.

Inventors: (1) DANIEL HENRY DUDEK, (2) STEVEN MICHAEL JOHNSON AND (3) ROOR CHING HSIEH.

Application No. 323/Cal/90; filed on 19th April 1990.

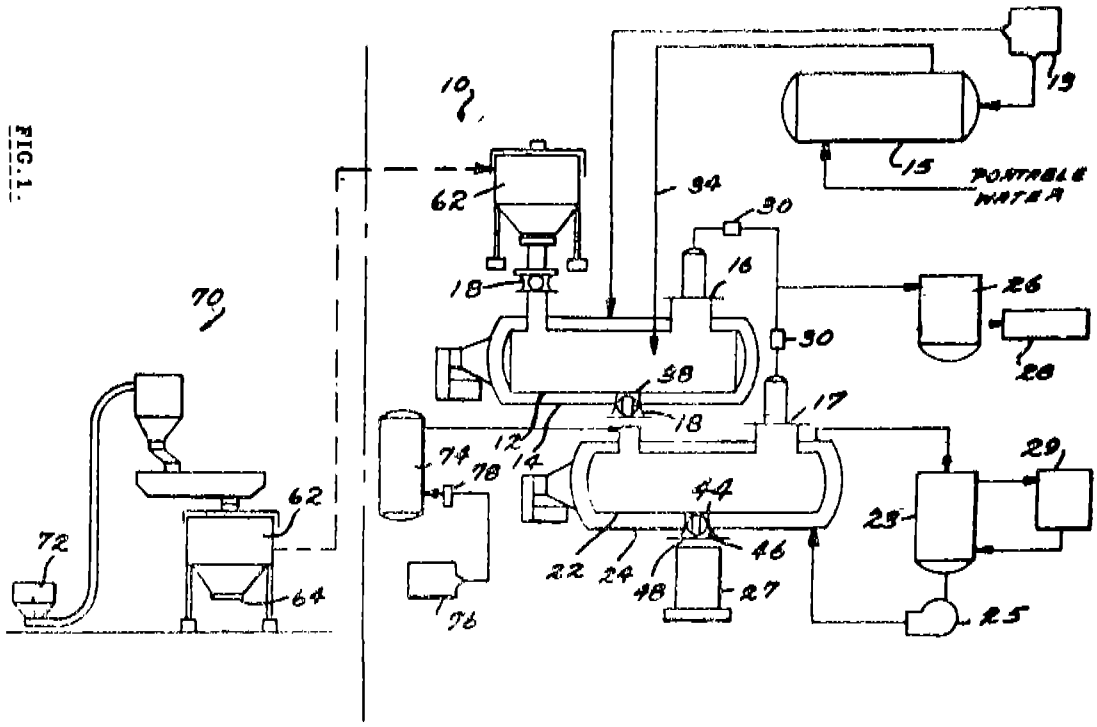
(Divided out of No. 842/Cal/87; antedated to 27-10-87.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta.

21 Claims

Apparatus for producing sterilized raw vegetable product such as leafy herbs and spices without substantial loss of volatile material from the vegetable product comprising a container system of the type having interconnected vessels, the first vessel including jacket means and mixing means rotatably mounted in the interior of said first vesel, a second vessel including jacket means and mixing means rotatably mounted in the interior of said second vessel, conduit means connecting the interiors of said vessel with one another through valve means and means for conditioning the atmosphere in each of said vessels including means such as herein described for introducing a fluid at a selected temperature into each of said jacket means, means such as herein described, for controlling the pressure of the atmosphere in each said vessel, said means for conditioning the atmosphere including a steam generation means for said first vessel.

FIG. 1.



Compl. specn. 20 pages. Drgns. 2 sheets

Cl. : 32 F2a+55 E 4 172059

Int. Cl.[5] : C 07 C 103/32, 103/737.

PROCESS FOR THE PREPARATION OF AMIDES OF CYCLOMETHYLEN-1, 2-BICAR-BOXYLIC ACIDS HAVING THERAPEUTICAL ACTIVITY.

Applicant : LABORATORI GUIDOTTI SPA. OF VIA TRIESTE 40, 56100 PISA, ITALY.

Inventors : (1) LUIGI TURBANTI, (2) GUIDO CERBAI, (3) MARCO CRISCUOLI.

Application No. 1000/Cal/90; filed on 29 November 1990. (Divided out of No. 283/Cal/89; antedated to 12-04-1989).

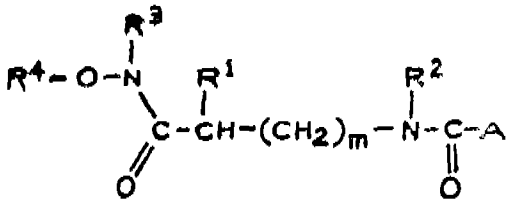
Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta.

4 Claims

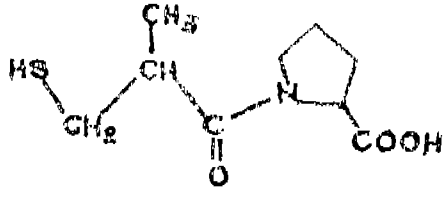
A process for the preparation of amides of cyclomethylene 1, 2-dicarboxylic acid of formula I as shown in the accompanying drawings wherein R^1, R^2 and A are as defined in Table 'A' of the drawings $R''=R^1=H$ and m=O or 1 and n is an integer varying between 0 and 3 characterised by the following steps :

(i) condensation of an alkyl monoester of a cyclomethylen-1, 2-bicarboxylic acid having the formula VIII (shown in scheme I of the drawings) wherein R^7 is $-CH_3$, C_2H_5, and n is an integer varying between 0 and 3, with an aminohydroxamic derivative, having the formula IX (shown in scheme I of the drawings), wherein R^1, R^2 and m have the above stated meaning, and

(ii) the resulting amidoester is subjected to alkaline hydrolysis and subsequent catalytic hydrogenation in the manner such as herein described, to obtain the compounds of formula (I) in which $R^3=R^4=R^5=H$:



(I)



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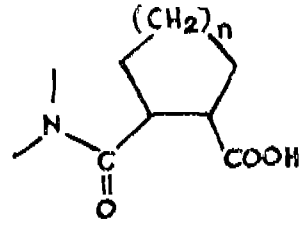
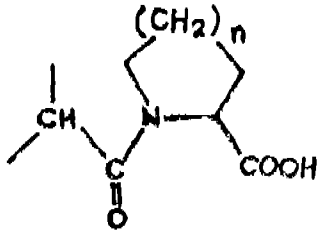
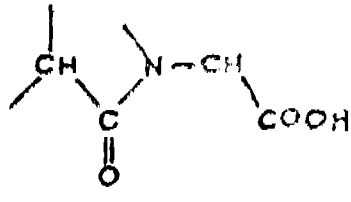


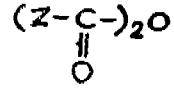
(IIIa)



(IIIb)



(IIIc)



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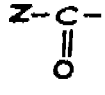

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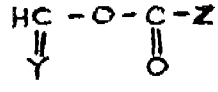

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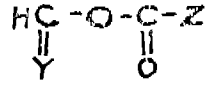
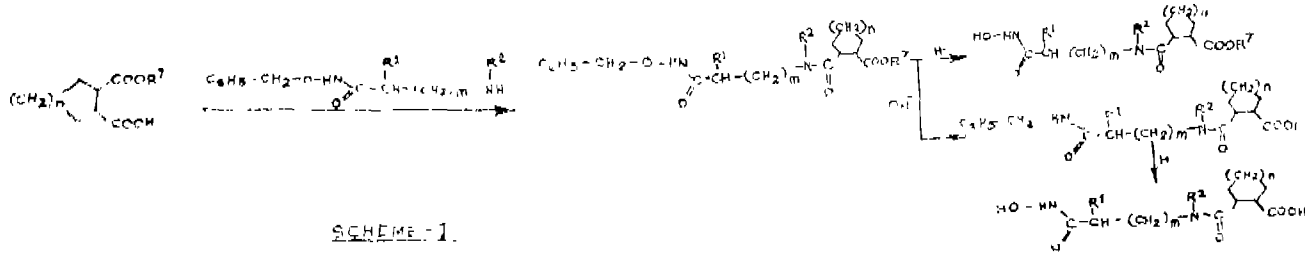


(VII)



SCHEME-1

Compl. Specn. 15 pages. Drgns. 1 sheet

Cl. 32 F 2a+55 E4. 172060

Int. Cl.[4]: C 07 C 103/32; 103/737.

PROCESS FOR THE PREPARATION OF AMIDES OF CYCLOMETHYLENE-1, 2-DICARBOXYLIC ACIDS HAVING THERAPEUTICAL ACTIVITY.

Applicant : LABORATORI GUIDOTTI SPA. OF VIA TRIESTE 40, 56100 PISA, ITALY.

Inventors : (1) LUIGI TURBANTI, (2) GUIDO CERBAI, (3) MARCO CRISCUOLI.

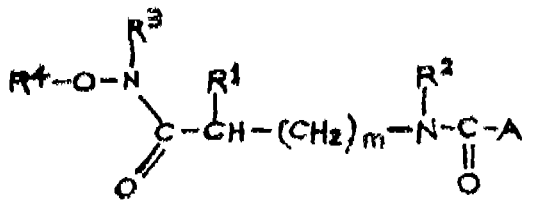
Application No. 1001/Cal/90; filed on 29th November 1990.

(Divided out of No. 283/Cal/89; antedated to 12-04-1989).

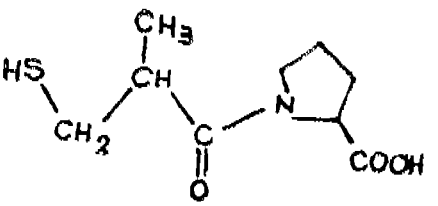
Appropriate Office for Opposition Proceedings (Rule 4, Patent Rule 1972) Patent Office Calcutta.

3 Claims

A process for the preparation of amides of cyclomethylene 1, 2-Dicarboxylic acid of formula V as shown in scheme I of the accompanying drawings, wherein R1, R2 and R5 are as defined in Table 'A' of the drawings, and m=0 or 1 and n is integer varying between 0 and 3 characterised in that an amido derivative of formula IV, (Shown in Scheme I of the drawings), in which R1, R2, m and n have the same meaning as before, is reacted with an acyloxy methyl halide of the formula R5-Halogen, in which R5 is as defined in Table 'A' of the drawings, and the resulting compound is catalytically hydrogenated in the manner such as herein described.



(I)



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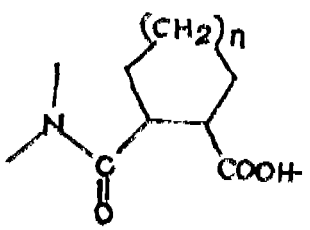
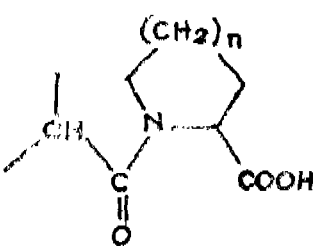
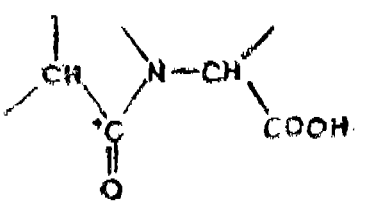


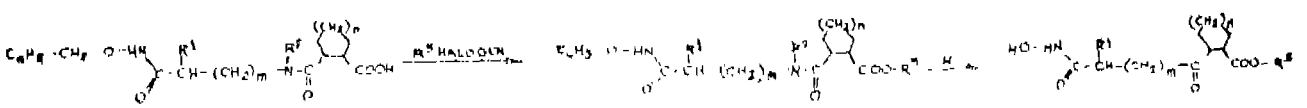
(IIIa)



(IIIb)



(IIIc)



SCHEME-I

Compl. Specn. 9 pages. Drgns. 1 sheet

Ind. Class : 206-E [GROUP—LXII] 172061

Int. Cl.[4] : H 01 L 21/70.

A PROCESS FOR FORMING A SEMICONDUCTOR DEVICE.

Applicant : GENERAL INSTRUMENT CORPORATION, A DELAWARE CORPORATION, OF 767 FIFTH AVENUE, NEW YORK, NEW YORK 10153, U.S.A.

Inventors : (1) WILLEM G. EINTHOVEN and (2) LINDA J. DOWN.

Application No. 534/MAS/88 filed July 27, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 Claims

A process for forming a semiconductor device, said process comprising the steps of :

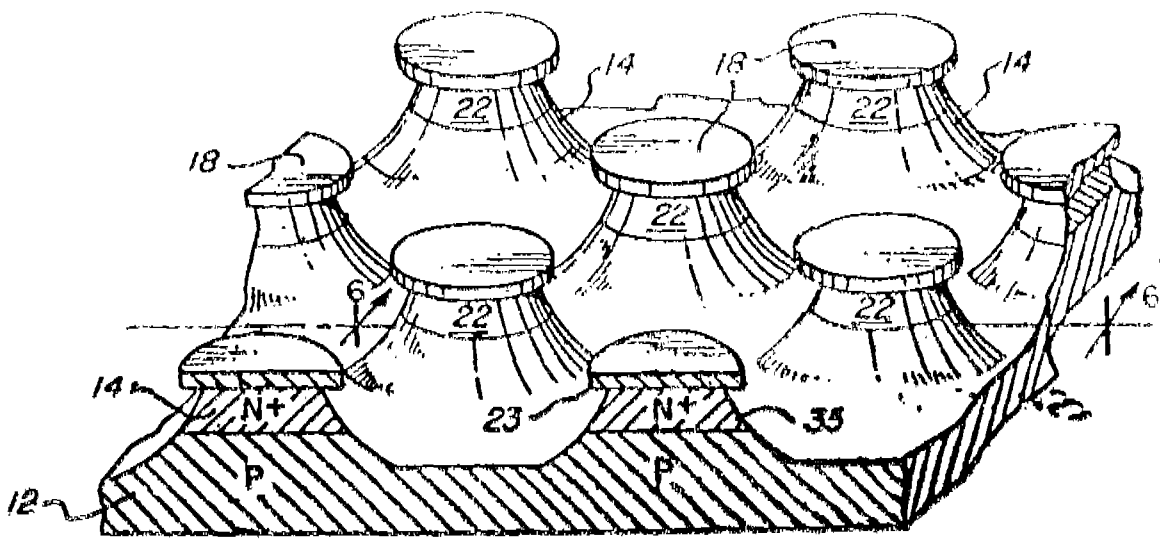
providing an N layer in a P region of a water, said N layer having a higher concentration than said P layer;

forming a plurality of mesa semiconductor structures in said wafer, each mesa structure having a P-N junction intersecting a sidewall of the mesa structure, said P-N junction having at least a portion of said N layer and a portion of said P region;

oxidizing said sidewall of said mesa structure, whereby the oxidation tends to curve said P-N junction toward said P region in the vicinity of the oxidation; and

diffusing said P-N junction deeper into said P layer after said oxidizing step with a diffusion front which tends to curve said P-N junction toward said N layer in the vicinity of the mesa sidewall;

said oxidizing and diffusion steps being carried out to such an extent as to compensate for the curvatures caused by one another and thereby yield a substantially flat P-N junction.



(Com. 27 pages; Drwgs. 7 sheets)

Ind. Class : 63-1 & 69-1-[GROUPS-LVII(1) & LIX(1)] 172062

Int. Cl.[4] : H 02 P 1/00.

AUTO GENERATOR STARTER.

Applicant & Inventor : ALLADI PRABHAKAR, C/o M/s PRABATH ELECTRICAL WORKS, NEAR RAJAKALA-MANDIR TALKIES, MANDAL, METPALLI, DIST. KARIMNAGAR, A.P. PIN CODE NO. 505 325, INDIAN CITIZEN.

Application and Provisional Specification No. 658/MAS/88 filed September 20, 1988.

Complete Specification left December 20, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

1 Claim

An Auto Generator Starter for three phase Generator Comprising Generator Self Starter having 6 Volts DC Motor, a Timer having heating elements which presses three switches, contactors, an adjusting knob for operating switches, a Generator Off lever switch, an Electro Magnetic Main Switching device having a coil connectable to power input and one main normally open contact adapted to close the power input phase lines connectable to one set of terminals of Generator and the other to the input supply.

(Prov. 3 pages; Drwgs. Nil)
(Com. 11 pages; Drwg. 1 sheet)

Ind. Class : 32-F-[GROUP-IX(1)] 172063

Int. Cl.[4] : C 08 F 210/00.

REINFORCING FIBRE AND A METHOD OF PREPARING THE SAME.

Applicant : DANAKLON A/S, OF ENGDRAGET 22, DK-6800 VARDE, DENMARK, A DANISH LIMITED COMPANY.

Inventor : ANDERS STAF HANSEN.

Application No. 667/MAS/88 filed September 23, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

15 Claims

A reinforcing fibre prepared by fibrillation of a film made of polyolefin or polyolefin derivatives, the said fibre having a thickness of 10 to 100 μM and containing at least 12% by

weight of inorganic particles selected from chalk, talc, silica, mica, barium sulphate, glass and TiO_2 and having a sizer of 1 to 10 μM embedded in the polyolefin or polyolefin derivative, with none of the particles being exposed at the fibre surface.

A method of preparing the reinforcing fibres as claimed in any one of the preceding claims, comprising the steps of extruding the fibre constituents which are in the form of a plastic mass so as to obtain a film, stretching the film with a stretch ratio of at least 1 : 6 to orient the polyolefin chains of the film substantially unidirectionally, fibrillating the stretched film by a knife roller and/or pin roller, heat treating the fibrillated film to relax any tensions of the film, modifying the surface by heating and/or electrically and/or mechanically, and optionally cutting the fibrillated film into pieces of a suitable length to obtain the reinforcing fibre.

(Com. 34 pages; Drwg. 1 sheet)

Ind. Class : 32-F_2 (b)-[GROUP-IX(1)] 172064

Int. Cl.[4] : C 07 D 223/00

A PROCESS FOR RECOVERING CAPROLACTAM FROM LOW BOILING FRACTIONS AND/OR HIGH BOILING FRACTIONS FROM CAPROLACTAM DISTILLATION.

Applicant : BASE AKTIENGESELLSCHAFT, A GERMAN JOINT STOCK COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE FEDERAL REPUBLIC OF GERMANY OF 6700 LUDWIGSHAFEN, FEDERAL REPUBLIC OF GERMANY.

Inventors : (1) GERALD NEUBAUER (2) EMILE DE DECKER (3) HUGO FUCHS (4) BERNHARD HOLSKNECHT (5) JOSEF RITZ.

Application No. 687/MAS/88 filed October 4, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

6 Claims

A process for recovering caprolactam from low boiling fractions and/or high boiling fractions from caprolactam distillation comprising the steps of (a) crystallizing a low and/or high boiling fractions at a pressure of 5 to 150 mbar and at a temperature of 15 to 60°C to obtain purified caprolactam crystals and a mother liquor; (b) separating the purified caprolactam from the mother liquor; (c) recycling 5 to 90% by weight of the mother liquor from stage (b) into stage (a); (d) transferring the remaining mother liquor from stage (c) and crystallizing at a pressure of 5 to 150 mbar and at a temperature of 15 to 60°C and removing 10 to 50% by weight of the water contained in the mother liquor by distillation to obtain a slurry comprising 25 to 55% by weight caprolactam crystals and the mother liquor; (e) separating the caprolactam crystals from stage (d) and recycling the said caprolactam crystals into stage (a); and (f) recycling 20 to 99% by weight of mother liquor from stage (e) into stage (d) and draining out the remaining mother liquor.

(Com. 14 pages; Drwg. 1 sheet)

Ind. Class : 17-A(5)-[GROUP-XIV(2)] 172065

Int. Cl.[4] : B 01 D 37/02

PROCESS FOR PREPARING A FERMENTATION WORT CONTAINING A POLYSACCHARIDE WITH INCREASED FILTERABILITY.

Applicant : INSTITUT FRANCAIS DU PETROLE, OF 4, AVENUE DE BOIS-PREAU, 92502, RUEIL-MALMAISON, FRANCE, A FRENCH BODY CORPORATE.

Inventors : (1) JACQUELINE LECOURTIER
(2) CHRISTINE NOIK
(3) GUY CHAUVETEAU.

Application No. 710/MAS/88 filed October 11, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

9 Claims

A process for preparing a fermentation wort containing a polysaccharide with increased filterability comprising subjecting the fermentation wort such as herein described to ultrafiltration through an ultrafiltration diaphragm having molecular mass cut-off zones between 10,000 and 1,00,000 while adding water or salted water to obtain a residue and heating the said residue to a temperature of 60 to 130°C to obtain a fermentation wort containing a polysaccharide with increased filterability.

(Com. 14 pages; Drws. 4 sheets)

Ind. Class : 32-E-[GROUP-IX(1)] 172066

Int. Cl.[4] : C 08 L 23/26.

A PROCESS FOR PREPARING A SHAPED ARTICLE FROM A BLEND OF RUBBER AND PLASTIC.

Applicant : ADVANCED ELASTOMER SYSTEMS, L P, A LIMITED PARTNERSHIP ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A., OF 340 MARYVILLE CENTER DRIVE, ST. LOUIS MISSOURRI 63166-6735, U.S.A.

Inventors : (1) RAMAN PATEL
(2) SABET ABDOU SABET
(3) YUN LIANG WANG

Application No. 717/MAS/88 filed October 12, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

11 Claims (No drawing)

A process for preparing a shaped article from a blend of rubber and plastic, comprising blending 85" to 15" by weight of rubber with 15" to 85" by weight of plastic, masticating the blend in the presence of a vulcanizing agent for rubber at a temperature and for a time sufficient to vulcanize the rubber, shaping the blend with vulcanized rubber to form the shaped article, subjecting the shaped article to free radical cross-linking whereby the plastic is cross-linked to convert the shaped article to a thermoset shaped article.

(Com. 19 pages)

Ind. Class : 32-E-[GROUP-IX(1)] 172067

Int. Cl[4] : C 08 F 10/00.

PROCESS FOR THE PRODUCTION OF AN ETHYLENE HOMOPOLYMER/COPOLYMER.

Applicant : UNION CARBIDE CORPORATION, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW YORK, OF OLD RIDGEBURY ROAD, DANBURY, STATE OF CONNECTICUT 06817, U.S.A.

Inventors : (1) SARI BETH SAMUELS,
(2) FREDERICK JOHN KAROL.

Application No. 753/MAS/88 filed October 28, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

7. Claims

A process for the production of an ethylene homopolymer/copolymer comprising passing ethylene with or without at least one alpha-olefin comonomer having 3 or more carbon

atoms into contact with a mixed catalyst system, under known polymerization conditions, said mixed catalyst system comprising: (a) the reaction product of (i) a vanadium halide having the formula VX_3 wherein X is chlorine, bromine or iodine and each X is alike or different; (ii) a modifier having the formula BX_3 or $AlR_{(3-a)}X_a$ wherein X is as defined above; R is an alkyl radical having 1 to 14 carbon atoms; each R is alike or different; and a is 0, 1 or 2 and (iii) an electron donor, which is a liquid Lewis base in which the vanadiumhalide and modifier are soluble; (b) a complex having the formula $ZrMg_bX_c(ED)_d$ wherein X as defined above; is an electron donor; which is a liquid Lewis base in which the precursors of the comlex are soluble, b is a number from 1 to 3; c is a positive number equal to or less than 4+2b; and d is a number from 4 to 10; wherein the vanadium halide is supported (c) a hydrocarbyl aluminum cocatalyst; and (d) a halocarbon promoter having the formula $R_eCX_{(4-e)}$ wherein R is hydrogen or an unsubstituted or halo substituted alkyl redical having 1 to 6 carbon atoms; each R is alike or different; X is chlorine, bromine, iodine or fluorine; each X is alike or different; and e is 0, 1 or 2 provided that, if no fluorine is present, e is 2.

(Com.—24 pages; Drwgs.—3 sheets)

Ind. Class : 40-H-[GROUP-IV(1)] 172068.

Int. Cl.[4] : B 01 D 53/04.

CYCLIC PROCESS FOR SELECTIVELY SEPARATING CO_2 FROM MIXTURES OF CO_2 WITH NON-ACIDIC GASES.

Applicant : UNION CARBIDE CORPORATION, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF NEW YORK OF OLD RIDGEBURY ROAD, DANBURY, STATE OF CONNECTICUT 06817, U.S.A.

Inventors : (1) HENRY RASTELLI,
(2) CHIEN CHUNG CHAO,
(3) DESH RAJ GARG.

Application No. 771/MAS/88 filed November 4, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

7 Claims (No drawing)

Cyclic process for selectivity separating CO_2 from mixtures of CO_2 with non-acidic gases by the selctive adsorption of the CO_2 comprising the steps of a) preparing a fixed adsorption bed containing a zeolitic molecular sieve of the faujasite type having a framework SO_2/Al_2O, molar ratio of 2 to 100 and containing at least 20 equivalent percent of one or mixture of two or more cation materials selected from the group consisting of zinc, rare earth, hydrogen and ammonium and containing not more than 80 equivalent per cent of alkali or alkaline earth metal cations or mixtures thereof b passing the gas mixture of CO_2 with non-acidic gases into said adsorption bed at a temperature of —50°C to 100°C and at a pressure of 0.2 to 1000 psdi for selective adsorption of CO_2 on said zeolite and recovering CO_2 depleted gas product; c) stopping the passage of said gas stream into said adsorption bed before the CO_2 is let out d) regenerating the adsorption bed by desorbing CO_2 therefrom by decreasing the pressure in said adsorption bed to below the adsorption pressure maintained in step (b) within the range of 0.1 to 500 psia, and e) repeating step (a) through (d).

(Com.—19 pages)

Ind. Class : 172-C_2-[GROUP-XX] 172069

Int. Cl.[4] : D 01 G 19/00

A DRIVE MECHANISM FOR A FEED ROLL OF A COMBING MACHINE.

Applicant : MASCHINENFABRIK RIETER AG, A BODY CORPORATE ORGANISED UNDER THE LAWS OF SWITZERLAND OF WINTERTHUR, SWITZERLAND.

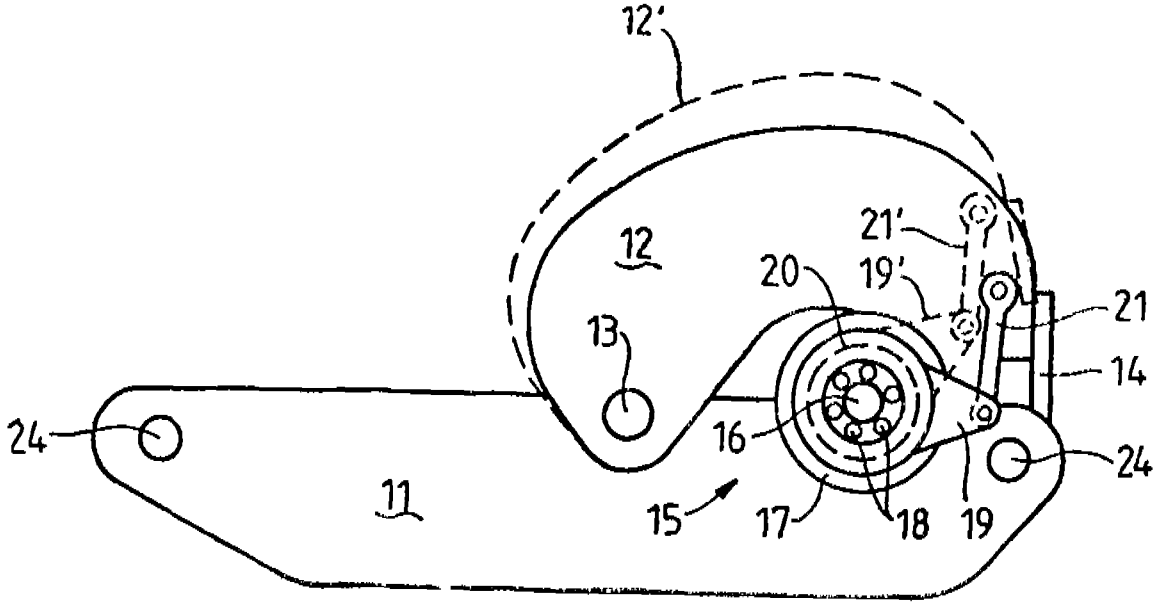
Inventor : HEINZ CLEMENT.

Application No. 792/MAS/88 filed November 11, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

6 Claims

A drive mechanism for a feed roll (20) of a combing machine comprising a nipper being opened and closed by pivoting movements of a top nipper (14) secured to one end of a pivoting arms (12 or 25 or 42) to produce a stepwise feeding motion of the said feed roll (20), one of the said pivoting army (12, 25, 42) is coupled by way of couplings (15, 21; 27, 31; 36, 40, 41) with one end of the said feed roll (20), the said couplings (15, 21; 27, 31; 36, 40, 41) is effective only for pivoting movements in one direction and comprises a freewheel (15, 27, 36) having an inner member (16, 28, 35, 45), an outer member (17, 29, 39, 46) and locking members (18, 43, 47) disposed between the said inner and outer members, one of the said inner and outer members being rigidly secured to one end of the said feed roll (20) and the other member to a lug (19, 30, 37, 38); and links (21, 31, 40, 41) secured like a crank to one said pivoting arm (12, 25, 42) and to the said lug (19, 30, 37, 38).



(Com.—13 pages; Drwgs —5 sheets)

Ind. Class : 90-K—[GROUP—XXXVI] 172070

Int. Cl.[4] : C 03 C 3/083

A METHOD OF PREPARING GLASS.

Applicant : CORNING GLASS WORKS, OF SULLIVAN PARK, FR 212, CORNING, NEW YORK 14831, U. S. A..

Inventors : (1) JEAN EMILE BOUDOT
(2) JEAN-PIERRE MAZEAU

Application No. 795/MAS/88 filed November 11, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Madras Branch.

4 Claims (No drawing)

A method of preparing glass having properties as herein defined, which comprises batching amounts of glass-forming components which on melting yield the composition consisting essentially, expressed in terms of weight percent on the oxide basis, of :

SiO	52—57	K_2O	11·0—16·0
B_2O_3	2·5—7·0	CaO	2—3·5
Al_2O_3	0—1	ZrO_2	1—5·5
Li_2O	0·3—0·8	TiO_2	15.0—16·2
Na_2O	5·4—8·2	AS_2O_3	0·1—0·4

and also satisfying the condition that M=69—72 where

$$M = \frac{1}{100}\left[760x\%Li_2O + 270x\%Na_2O + 170x\%K_2O + 185x\%CaO + 130x\%TiO_2\right]$$

melting the batch at a temperature within the range of 1200-1300°C, increasing the temperature of the melt to 1300-1425°C for homogenizing and fining, cooling to a temperature at which the viscosity is appropriate for forming, pouring into moulds, annealing at a temperature within the range of 475-525°C and cooling at a rate of 55-65°C/h.

(Com.—15 pages)

Ind. Class : 164-C—[GROUP—II(3)] 172071

Int. Cl.[4] : C 02 F 1/00

AN APPARATUS FOR SUPPLYING SHREDDED REFUSE DERIVED FUEL OF A PREDETERMINED NOMINAL SIZE TO A FURNACE FUEL SUPPLY CHUTE.

Applicant : KINERGY CORPORATION, A CORPORATION OF THE STATE OF KENTUCKY, U. S. A., OF 7310 GRADE LANE, LUISVILLE, KENTUCKY 40219, U. S. A..

Inventor : GEORGE DAVID DUMBAUGH.

Application No. 809/MAS/88 filed November 18, 1988.

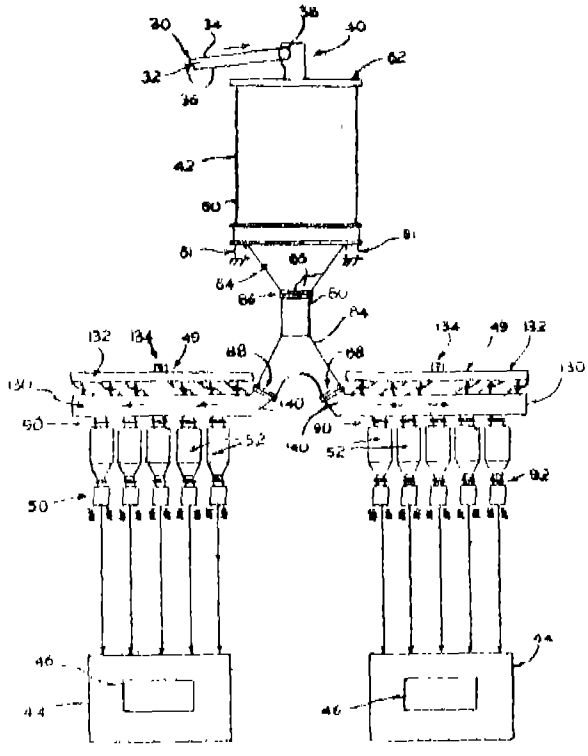
Convention date : August 12, 1988;
(No. 574, 636, Canada)

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Madras Branch.

9 Claims

An apparatus for supplying shredded refuse derived fuel of a predetermined nominal size to a furnace fuel supply chute leading to a furnace fire chamber, in a continuous and uninterrupted flow comprising :

a primary surge capacity bin having an upper intake port and a lower discharge port, means for continuosly storing the fuel in said bin at a rate that is substantially in excess of the flow rate at the said discharge port, means for vibrating said primary bin for feeding fuel from the stored fuel at a predetermined lower flow rate, a vibrating conveyor with means for receiving the fuel at said predetermined lower flow rate, a fuel flow conducting through for vibrationally feeding the fuel received from said primary bin to the location of the furnace, a metering bin mounted at the location of the furnace with an upper intake port and a lower discharge port, means for supplying the fuel from said vibrating conveyor to said metering bin through said upper intake port of said metering bin, a vibrating feeder having means for receiving the fuel from said metering bin through said lower discharge port thereof and extending between said metering bin discharge port and the furnace fuel supply chute and a fuel flow conducting through for vibrationally feeding the fuel received from said metering bin to the furnace fuel supply chute, said vibrating conveyor and said vibrating feeder each having a drive system of the free force input combined with sub-resonant tuned spring type, means for vibrating said metering bin for discharging the fuel from the metering bin discharge port onto said vibrating feeder, and means for automatically controlling the vibrating feeder output of said fuel into the furnace feed chute based on heat generated by the fuel burning in the furnace fire chamber.



(Com.—49 pages; Drawgs.—4 sheets; each of size 33.00 cms. by 41.00 cms.)

172072

Ind. Class : 63-I & 133-A—[GROUPS—LVII(1) &LIX(3)]

Int. Cl.[4] : H 02 P 7/628

MEANS FOR FIELD ORENTED CONTROL OF SYNCHRONOUS MOTOR FOR VARIABLE SPEED OPERATION.

Applicant : CENTRAL POWER RESEARCH INSTITUTE, BANGALORE-560 094, KARNATAKA, INDIA, AN INDIAN ORGANISATION.

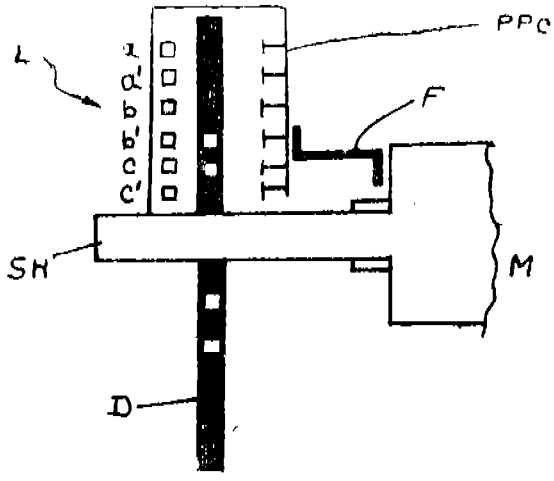
Inventor : MYLAVARAPU RAMAMOORTHY.

Application No. 813/MAS/88 filed November 21, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office, Madras Branch.

7 Claims

A device for field oriented control of synchronous motor for variable speed operation comprising a slotted disc to provide the properly oriented triggering pulses for a current source inverter, said disc being mounted on the rotor shaft of the synchronous motor, tht said disc having a set of three pairs of angularly disposed slots spaced from each other, a first pair of diametrically opposed slots one of which is close to the circumferential edge of the disc while the diametrically opposed other slot is disposed towards the centre of the disc, a short distance away from the diametrical distance of the said first slot but close to it, a second pair of slots being similarly disposed towards the centre of the disc subsequent to the said first pair, a pair of slots being also similarly disposed substquent to the said second pair and close to the centre of the disc, the said disc being also provided with a light source one for each said slot, all fixed in space to the frame of the motor along a line having its direction fixed along the axis of one of the three phases of the stator of the motor, and optical pick up circuits for picking up light signals from said lights passing through the slots and transmitting the same to provide triggering pulses for power switches of a current source inverter supplying variable current to the stator of the motor.



(Com.—10 pages; Drwgs.—1 sheet)

Ind. Class : 172-B—[GROUP—XX] 172073

Int. Cl.[4] : D 01 H 1/14.

A TWIST DEVICE FOR SPINNING FIBRES INTO A THREAD.

Applicant : SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLISCHAFT, OF FRIEDRICH-EBERT-STRASSE 84, 8070 INGOLSTADT, FEDERAL REPUBLIC OF GERMANY, A GERMAN COMPANY.

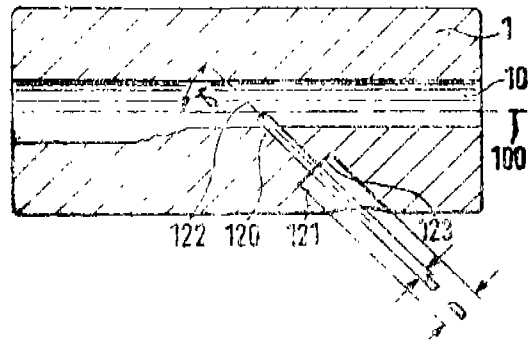
Inventors : (1) KARL HANDSCHUCH
(2) HANS ROTTMAYR
(3) PETER ARTZT
(4) GERHARD EGBERS

Application No. 890/MAS/88 filed December 14, 1988.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

25 Claims

A twist device (1) for spinning fibres into a thread comprising a passage (10) for fibre material and at least one air passage (12) extending from the periphtry of the twist device (1) to the passage (10) for fibre material, the said air passage (12, 131, 141, 151) being made of components (1, 2; 1, 5; 1, 5; 13, 14).



(Com.—27 pages; Drwgs.—5 sheets)

Ind. Class : 71-E—[GROUP—XXVIII(1)] 172079

Int. Cl.[4] : E 02 F 9/28

A CORNER TOOTH ADAPTED FOR USE ON AN IMPLEMENT.

Applicant : CATERPILLER INC., OF PEORIA, ILLINOIS 61629-6490, U. S. A., A CORPORATION DULY ORGANISED AND INCORPORATED UNDER THE LAWS of the STATE OF DELAWARE, U. S. A.

Inventors : (1) BILLY RAY BEDFORD
(2) MARTIN VICTOR KIESEWETTER
(3) GENE RALPH KLETT
(4) WILLIAM JOSEPH RENSKI

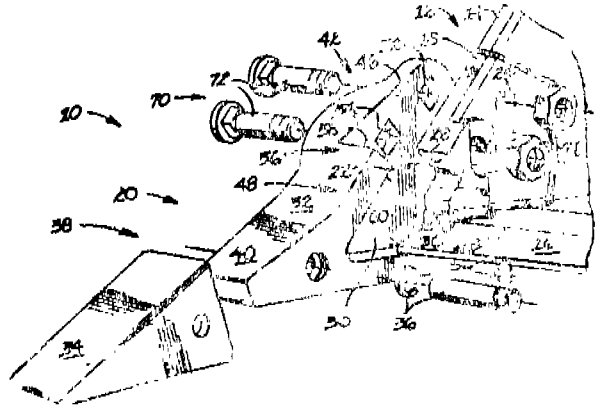
Application No. 91/MAS/89 filed February 3, 1989.

Convention date : June 7, 1988; (No. 568, 770; Canada).

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972), Patent Office Madras Branch.

9 Claims

A corner tooth adapted for use on an implement (12) comprising a leading end portion (38) operative to engage the work; and a trailing end portion (42) connected to the leading end portion (38) and adapted for connecting the corner tooth (20/20') to the implement (12) when installed thereon, said trailling end portion (42) having a bottom portion (44/44'), a single upright side portion (46) connected to the bottom portion (44/44') on one side thereof and having first and second holes (52, 54) defined therein, and a forward portion (48) connected to the said bottom portion (44/44') and the said single upright side portion (46) to define a cavity (50) there between which opens away from both the said leading end portion (38) and the said single upright side portion (46), said forward portion (48) defining a load transferring portion (56) located thereon and an extension of a plane (62) that passes through the centers of the said first and second holes (52, 54) in the said single upright side portion (46) passes through the said load transferring portion (56) of the forward portion (48).



(Com.—18 pages; Drwgs.—2 sheets)

Ind. Class : 24-D&F—[GROUP—LV] 172075

Int. Cl.[4] : F 16 D 25/12

HYDRAULICALLY ACTUATED RELEASE MECHANISM FOR A CLUTCH.

Applicant : DANA CORPORATION, A CORPORATION OF THE STATE OF VIRGINIA, U.S.A., OF 4500 DORR STREET, TOLEDO, OHIO 43615, U. S. A.

Inventor : RICHARD A FLOTOW.

Application No. 253/MAS/89 filed March 30, 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

15 Claims

A release mechanism for a clutch having a release sleeve which is movable between first and second positions comprising :

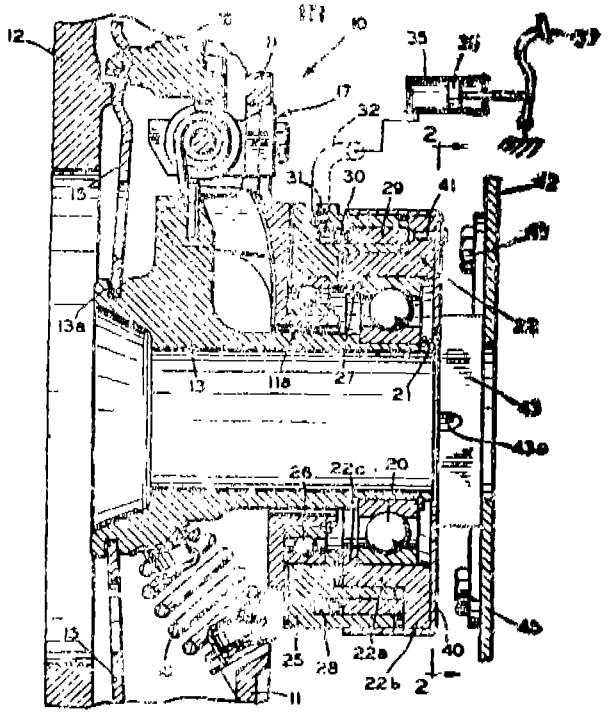
a cover having a flange formed thereon;

a piston housing disposed about the release sleeve and mounted on said flange such that said cover may be rotated relative thereto, said piston housing defining a chamber therein;

a piston disposed in said chamber;

means for selectively providing fluid pressure in said chamber, said piston being movable from a first position to a second position when fluid pressure is provided in said chamber; and

a pressure ring engaged and moved by said piston from a first position to a second position when fluid pressure is provided in said chamber, said pressure ring adapted to move the release sleeve from its first position to its second position when moved by said piston.



(Com.—18 pages; Drwgs.—1 sheet)

Ind. Class : 158D—[GROUP—LII(2)] 172076

Int. Cl.[4] : B 61 D 3/18

A RAIL BOGIE STRUCTURE FOR TRANSPORTING BY RAIL A HIGHWAY SEMI-TRAILER.

Applicant : TRAILER P H CORPORATION, AN ILLINOIS CORPORATION OF 666 NORTH LAKE SHORE DRIVE, CHICAGO, ILLINOIS 60611, U. S. A.

Inventors : (1) CHARLES M. BAKKA
(2) ROGER D. SIMS
(3) JAMES T. STEVENSON

Application No. 262/MAS/89 filed April 4, 1989.

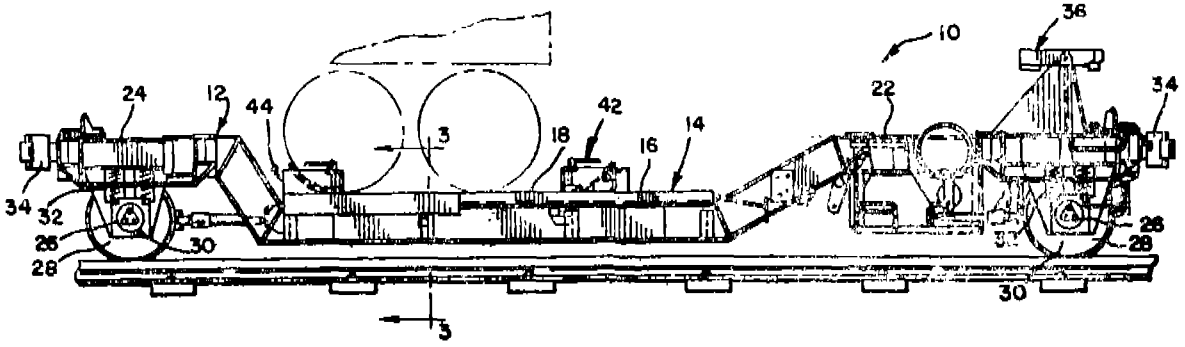
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

19 Claims

A rail bogie structure for transporting by rail a highway semi-trailer having rubber-tired highway wheels, said semi-trailer being supported betwetn first and second rail bogies, each of said rail bogies comprising :

a drop deck frame structure supported on wheeled axles positioned adjacent opposite ends thereof, said frame structure defining a central drop deck section having a stationary, longitudinally extended, planar platform defining an upper surface for supporting the wheels of said semi-trailer; and

a trailer securement system comprising a chock assembly for facilitating simultaneous rotational movement of said semi-trailer's wheels through an arc on the platform and translatory movement of said wheels alone a predetermined longitudinal path on the platform, said chock assembly having a transversely spaced pair of joined chock block means normally arranged on one side of said semi-trailer's wheels, with each of said chock block means having means for securing said chock block means relative to said platform in a manner securing said semi-trailer's wheels against movement in a first longitudinal direction, and means for positioning said chock assembly on said platform in a manner limiting movement of said chock assembly about a substantially vertical axis and along a predetermined longitudinal path; and, at least two separate and independent chock block means each of which having means for securing said separate and independent chock block means relative to said platform on an opposite side of said semi-trailer's wheels in a manner securing said semi-trailer's wheels against movement in a second longitudinal direction.



(Com.—13 pages; Drwgs.—8 sheets; two sheets each of size 33.00 cms. by 41.00 cms.)

Ind. Cl : 5 D [I (1)]. 172077

Int. Cl.[4] : A 01 D 29/00.

A SEVER MACHINE FOR REMOVING PODS FROM UPROOTED GROUNDNUT PLANTS.

Applicant : ABATHASAGAYAM RAJENDRAN, THENNERI VILLAGE & POST, CHINGLEPET (D.T.) PIN CODE : 631 604 TAMIL NADU, AN INDIAN CITIZEN.

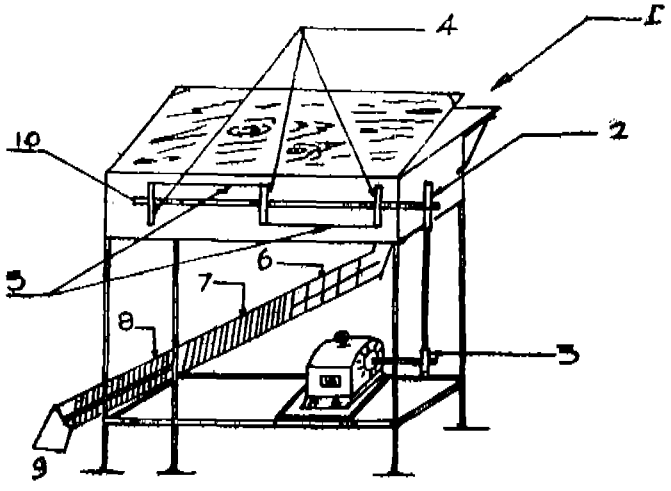
Inventor : ABATHASAGAYAM RAJENDRAN.

Application No. 282/Mas/89 filed on 17th April 1989.

Appropriate Office for Opposition Proceedings (Rule, 4, Patents Rules, 1972) Patent Office Branch, Madras.

2 Claims

A sever machine for removing pods from uprooted groundnut plants comprising a rectangular enclosure having a top cover capable of being kept with a desired opening; an axial rod rotatably fixed through the vertical sides of the said enclosure and is provided with a drive pulley outside the enclosure; said axial rod being provided with three equally spaced discs within the said enclosure, two metal rods of 3 mm diameter are tightly fixed between the peripheries of the discs at the ends of the axial rods and the disc at the centre of the axial rod such that one metal rod is diametrically opposite to the other metal rod and the drive pulley being driven by a motor.



(Comp. Specn. 5 pages. Drg. 1 sheet)

Ind. Class : 11 D [I (2)]. 172078

Int. Class[4] : A 01 M 1/10.

TRAP FOR FLYING INSECTS, ESPECIALLY MOTHS THAT ATTACK FOODSTUFFS.

Applicant : CIBA-GEIGY AG, A SWISS CORPORATION OF KLYBECKSTRASSE 141, 4002 BASLE, SWITZERLAND.

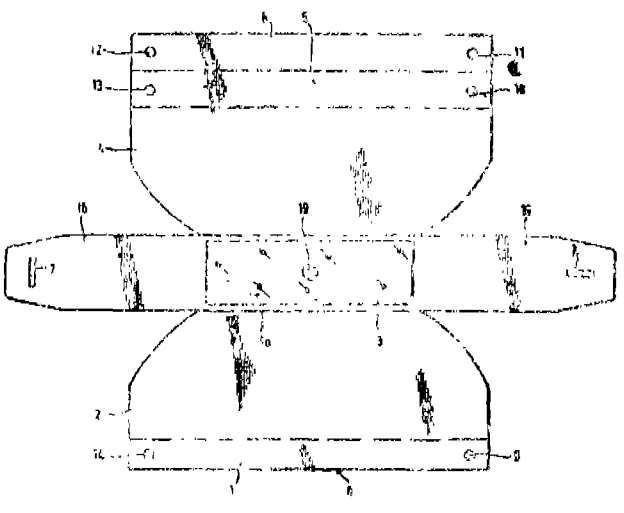
Inventor : THOMAS HOPPE.

Application No. 528/Mas/89 filed on 11th July 1989.

Appropriate Office for Opposition Proceedings (Rule, 4, Patents Rules, 1972) Patent Office Branch, Madras.

12 Claims

A trap for flying insects, especially for moths that attack foodstuffs, having a housing including a base, the housing defining entry openings for the insects and having a silhouette that, when viewed from the side in the position of use, is approximately triangular, trapezoid, rectangular, circular, elliptical or tthe like, wherein a least a part of an inner wall of the housing or of the base is coated with an adhesive, especially a delta trap, wherein at least one opaqueelement serving as an optical attractant for the insects, which opaque element is fastened to the housing such, that it is vertical in its use position and which element has a length of at least 20 cm and a length to width ratio of greater than 4 : 1.



(Comp. Specn. 11 pages. Drgs. 4 sheets)

Ind. Class : 32-$F_{3(a)}$ [GROUP IX(1)] 172079

Int. Cl.[4] : C 07 D 301/04.

AN IMPROVED PROCESS FOR PRODUCING ETHYLENE OXIDE BY CATALYTIC SELECTIVE OXIDATION OF ETHYLENE WITH OXYGEN.

Applicant : THE DOW CHEMICAL COMPANY, OF 2030 DOW CENTRE, ABBOTT ROAD, MIDLAND, MICHIGAN 48640, U.S.A., A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, U.S.A.

Inventors : (1) JOHN WILHELM GEUS, (2) GARMT RICARDO MEIMA, (3) JACOBUS ELISABETH BONGAARTS.

Application No. 621/Mas/90 file on July 30, 1990.

Divisional to Patent No. 168854 (856/Mas/86); Antedated to October 31, 1986.

Appropriate Office for Opposition Proceedings (Rule, 4, Patents Rules, 1972) Patent Office, Madras Branch.

2 Claims

In a process for producing ethylene oxide by catalytic selective oxidation of ethylene with oxygen the improvement comprising conducting the process in the presence of a thermostabilized silver catalyst obtained by depositing silver on an α-aluminium oxide carrier material having steps or a stepped structure on at least 1% of its surface to provide higher activity and higher selectivity.

(Comp. 13 pages. Drgs. 2 sheets)

Ind. Class : 83-A, [GROUP XIV(5)] 172080

Int. Cl.[4] : A 23 L 1/00.

A PROCESS FOR THE PREPARATION OF BAKALA BHAT.

Applicant : DASAPRAKASH PRIVATE LIMITED, 10 RAJA ANNAMALAI ROAD, MADRAS-600 084, TAMIL NADU, INDIA, A COMPANY DULY ORGANISED AND EXISTING UNDER THE LAWS OF THE UNION OF INDIA.

Inventor : KUTHETHUR VIJAYA DAS.

Application No. 70/Mas/91 filed on February 1, 1991.

Appropriate Office for Opposition Proceedings (Rule, 4, Patents Rules, 1972) Patent Office, Madras Branch.

2 Claims (No drawing)

A process for the preparation of bakala bhat comprising the steps of boiling 1½ kg raw rice; grating 1/4 kg cucumber; chopping 25 gm green chillies and ginger; frying 5 nos. dry chillies, 50 gm black gram dhal, 25 gm mustard with a little coconut oil for 5 minutes in a karandhi; mixing the boiled rice with 2 litres milk and 1 litre curd and adding thereto 1/4 kg butter, the grated cucumber, salt (to taste) and the chopped green chillies and ginger; admixing asafoetida to taste and mixing the composition thoroughly for 5 minutes; admixing the fried dry chillies, black gram dhal and mustard with the said composition; and finally garnishing the same with corriander and curry leaves.

(Comp. 6 pages.)

Ind. Cl. : 70 A, B LVIII (5). 172081

Int. Cl.[4] : B 01 K 3/00.

A GASKET OF AN ELECTRICALLY INSULATING MATERIAL SUITABLE FOR USE IN AN ELECTROLYTIC CELL.

Applicant : IMPERIAL CHEMICAL INDUSTRIES PLC., A BRITISH COMPANY, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON SW1P 3JF, ENGLAND.

Inventors : THOMAS WESLEY MOULTON & BRIAN JOHN DARWENT.

Application for Patent No. 347/Del/86 dated 18th April, 1986.

Convention date 19 May 1982/8214532/U.K.

Divisional to Patent Appln. No. 288/Del/83 filed on 07 May 1983.

Appropriate Office for Opposition Proceedings (Rule, 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

8 Claims

A gasket of an electrically insulating material, suitable for use in an electrolytic cell comprising at least one anode, at least one cathode and at least one gasket characterised in that the gasket comprises a plurality of projections and/or recesses on or in a surface thereof adapted to co-operate with corresponding recesses and/or projections in or on a surface of an anode or cathode or a gasket adjacent thereto.

(Compl. Specn. 18 pages. Drgs. 3 sheets.)

Ind. Cl. : 129 G. 172082

Int. Cl.[4] : B21C 1/04 & 25/02.

A MULTISTAGE PRESS FORMING DIE.

Applicant : AUSTRALIAN DESIGN MARKETING PTY. LTD., AN AUSTRALIAN COMPANY, OF 40 SAMARA STREET, SUNNYBANK, QUEENSLAND 4109, AUSTRALIA.

Inventor : MATTHYS BERNARDUS JOHANNES JANSEN.

Application for Patent No. 1088/Del/86 filed on 10 Dec. 1986.

Convention date 12 Dec. 1985/PH 3851/AU.

Appropriate Office for Opposition Proceedings (Rule, 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

6 Claims

A multi stage press forming die which is arranged to be mounted to a reciprocating press comprising multiple die stages through which a strip of metal is progressively advanced, each stage of the die comprising upper and lower die components which are movable toward and away from one another with operation of the reciprocating press and which have forming elements arranged to effect a forming operation on the metal strip during each closing stroke of the die, the upper and lower die components in one stage of the die being connected to upper and lower bolsters and being movable with the bolsters, a platform interposed between at least one of the bolsters and the associated die component in said one stage of the die and displacing means for maintaining the platform in a fixed position relative to the associated bolster during a first time interval of each closing stroke of the die components whereby the upper and lower die component in said one stage of the die effect press forming of one portion of the metal strip during the first time interval of each closing stroke, and the upper and lower die components in the or each further stage of the die being carried by said upper and lower bolsters, means for exerting a resilient closing force on the die component in the or each further stage of the die whereby they function to clamp a further portion of the metal strip in a manner such that the metal strip is movable in a direction toward one stage of the die, and means for actuating the displacing means to permit the platform to move relative to the associated bolster during a second time interval of each closing stroke of the die whereby the die components clamp the metal strip substantially immovably in all stages of the die during said second time interval of each closing stroke.

(Compl. Specn. 19 pages. Drgs. 9 sheets.)

Ind. Cl : 206 H LXII. 172083

Int. Cl.[4] : H01H 1/02, 1/04.

PROCESS FOR PRODUCING A MATERIAL FOR A CONTACT OF A VACUUM VALVE OR A VACUUM CIRCUIT BREAKER.

Applicants : KABUSHIKI KAISHA TOSHIBA, A JAPANESE CORPORATION, OF 72, HORIKAWA-CHO, SAIWAI-KU, KAWASAKI-SHI, KANAGAWA-KEN, JAPAN.

Inventors : TSUTOMU OKUTOMI, SEISHI CHIBA, MIKIO OKAWA, TADAAKI SEKIGUCHI, HIROSHI ENDO, TSUTOMU YAMASHITA.

Application for the Patent No. 40/Del/87, filed on 20th January, 1987.

Appropriate Office for Opposition Proceedings (Rule, 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

A process for producing a material for a contact of a vacuum valve or vacuum circuit breaker comprising :

(a) a conductive material consisting of copper and/or silver; and

(b) an arc-proof material consisting at least one of chromium, titanium and zirconium, or an alloy of said metal and at least one other metal, wherein the amount of said arc-proof material present in said conductive material matrix is no more than 0.39% by weight, said process comprising the steps of :

(1) compacting arc-proof material powder;

(2) sintering said compact to obtain a skeleton of the arc-proof material;

(3) infiltrating the voids of said skeleton with a conductive material; and

(4) Cooling the infiltrated material in a manner such as herein described.

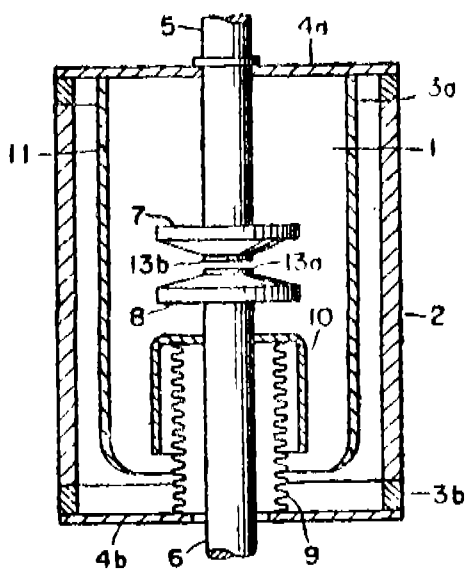


FIG. 1

Comp. Specn. 44 pages. Drg. 1 sheet

Ind. Cl. : 32 E. 172084

Int. Cl.[4] : C08F 293/00.

PROCESS FOR PREPARING SEQUENTIALLY-PRODUCED POLYMER PARTICLES.

Applicant : ROHM AND HQAS COMPANY, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF INDEPENDENCE MALL WEST, PHILADELPHIA, PENNSYLVANIA 19105, UNITED STATES OF AMERICA.

Inventors : ALEXANDER KOWALSKI, JOSEPH JOHN WILCZYNSKI, ROBERT MITCHELL BLANKENSHIP & CHUEN-SHYONG CHOU.

Application for Patent No. 569/Del/87 filed on 6th July 1987.

Appropriate Office for Opposition Proceedings (Rule, 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

A process for preparing sequentially-produced polymer particles comprising a polymeric core bearing at least 2 polymeric lobes, wherein said polymeric core has a composition which is different and relatively incompatible with the composition of said lobes and wherein the weight ratio of the total lobes to core is at least or greater than 1, said process comprising forming said polymeric lobes by polymerizing a lobe monomer system in the presence of a dispersion of polymeric particles, which form the polymeric core of said sequentially-produced polymer particles, and a surfactant of the kind such as herein described, said surfactant being present at a level which is sufficient to maintain the lobe structure during the process and below the level at which an excessive number of new particles are formed.

Comp. Specn. 47 pages. Drgs. 5 sheets.

Ind. Cl. : 107 F XLVI (2) 172085

Int. Cl. : F02M 47/00.

A SPARK IGNITED INTERNAL COMBUSTION ENGINE.

Applicant : ORBITAL ENGINE COMPANY PROPRIETARY LIMITED, A COMPANY CORPORATED UNDER THE LAWS OF THE STATE OF WESTERN AUSTRALIA, OF 4 WHIPPLE STREET, BALACTTA, WESTERN AUSTRALIA, AUSTRALIA.

Inventor : CHRISTOPHER KIM SCHLUNKE. PETER WILLIAM RAGG. ROBERT MAX DAVIS. PHILIP CHARLES LUCAS.

Application for Patent No. 598/Del/87 filed on 15 Jul., 1987.

Convention date 1st Aug. 1986/PH 07228/Australia.

Appropriate Office for Opposition Proceedings (Rule, 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

A spark ignited internal combustion engine having a combustion chamber (22) formed between a cylinder head (21) and a piston (12) that reciprocate in a cylinder (10), a fuel injector (24) and mounted in the cylinder head (21) to deliver fuel directly into the combustion chamber (22), said injector (24) having a camber (32) in communication with a pressurised gas supply, a metering device (30) communicating with the chamber (32) to deliver individual metered quantities of fuel to the chamber, a selectively openable port (43) in said chamber (32) through which fuel entrained in gas is delivered to the combustion chamber

(32) when the port is open, a valve element (43) movable relative to the port (48) to open and close the port (48), said port and valve element being shaped to define an annular passage (52) of predetermined dimensions when the port (48) is open, for enabling the gas entrained fuel delivered through said passage (52) by the pressure of the gas to establish a fuel spray having a dispersion velocity in the direction of the spray axis of not more than 25 metres/sec at 35 mm of spray penetration from the nozzle when measured under atmospheric pressure in still air.

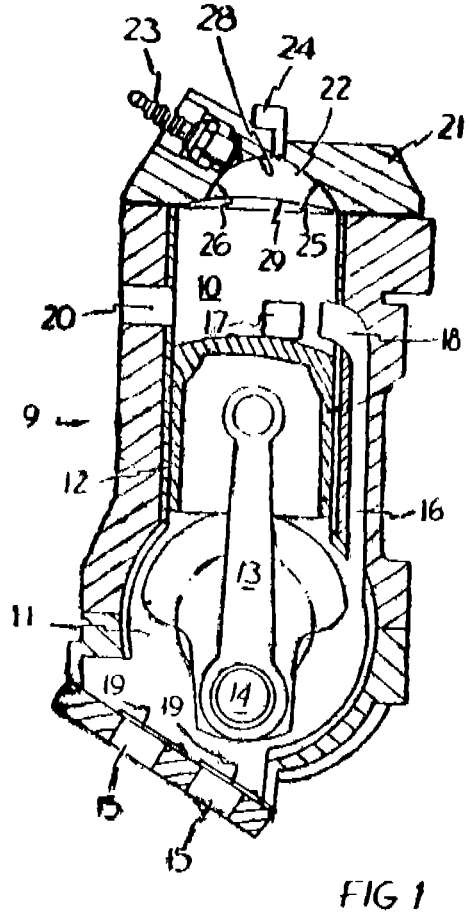


FIG 1

Comp. Specn. 16 pages Drgs. 5 sheets.

Ind. Cl. : 155 F. 172086

Int. Cl.[4] : D06M 1/22.

A PROCESS FOR THE TREATMENT OF A FABRIC TO PRODUCE AN IMPROVED FABRIC HAVING FLAME RETARDANT PROPERTIES.

Applicant : ALBRIGHT & WILSON LIMITED, A BRITISH COMPANY, OF ALBRIGHT & WILSON HOUSE, HAGLEY ROAD WEST, OLDBURY, WARLEY, WEST MIDLANDS, ENGLAND.

Inventors : ROBERT COLE & GEOFFREY HAND.

Application for Patent No. 892/Del/87 filed on 13 Oct, 1987.

Convention dates 13 Oct 1986, 19 Jan 1987, 19 Jan 1987/ 8624535, 8701073 & 8701074.

Appropriate Office for Opposition Proceedings (Rule, 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

13 Claims

A process for the treatment of a fabric to produce an improved fabric having, inter alia, flame retardant properties, which comprises subjecting a cellulosic fabric to the following two steps in any order :

(a) treating said fabric with a tetrakis (hydroxymethyl) phosphonium compound (THP) or a condensate thereof of the kind as herein described and curing it in any conventional manner to produce a THP cured fabric;

(b) impregnating said fabric with an aqueous solution of a non self-condensing methylolamide having at least two methylol groups which may optionally have been alkylated so that said fabric reacts with said methylolamide to produce said improved fabric; said step (b) being carried out prior to or subsequent to step (a).

Compl. Specn. 34 pages.

Ind. Cl : 35 B. 172087

Int. Cl.[4] : C04B 7/36.

AN APPARATUS FOR THE MANUFACTURE OF WHITE CEMENT.

Applicant : NATIONAL COUNCIL FOR CEMENT AND BUILDING MATERIALS, A COMPANY REGISTERED UNDER THE SOCIETIES ACT, OF M-10, SOUTH EXTENSION-II, RING ROAD, NEW DELHI-110 049, INDIA.

Inventor : HOSAGRAHARA CHANDRASEKHARAIAH VISVESVARAYA.

Application for Patent No. 901/Del/87 filed on 14 Oct, 1987.

Complete Specification left on 16 Jan,. 1989.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

An apparatus for the manufacture of white cement comprising a vertical shaft kiln (A) said kiln having a tubular casing (B) and a discharge end at the lower end of said tubular casing, a reciprocating trough for receiving clinker from the said kiln and discharging the same to a quenching bath (M), said quenching bath being provided with a hood for removal of steam from the said bath.

Provisional Specn. 5 pages.

Comp. Specn. 7 pages Drg. 1 sheet.

Ind. Cl. : 130 F XXXIII (7). 172088

Int. Cl.[4] : C 22 B 4/06.

A METHOD OF RECOVERING METALS AND METAL ALLOYS AND AN APPARATUS FOR RECOVERING THE SAME.

Applicant : VOEST-ALPINE AKTIENGESELLSCHAFT, AN AUSTRIAN COMPANY, OF 44 TURMSTRASSE, A-4020 LINZ, AUSTRIA.

Inventors : ERICH OTTENSCHLAGER, WERNER LEOPOLD KEPPLINGER.

Application for Patent No. 910/Del/87 filed on 19th Oct., 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

12 Claims

A method of recovery metals and metal alloys, such as ferro-alloys, by reducing metal oxides in a reduction zone formed by a coal bed passed through by reducing gas, the

improvement comprising forming a coal bed of three static bed layers by

providing a bottom static bed layer of degassed coal covering a liquid sump of reduced metal and slag,

providing a middle static bed layer and introducing one of oxygen and an oxygen-containng gas into said middle static bed layer so as to form a hot reducing gas consisting essentially of CO, and introducing fine-grain oxidic charging material having a grain size of up to 6 mm at a distance thereabove into said middle static bed layer, and

providing a top static bed layer and introducing combustion gases of carbon particles and one of oxygen and an oxygen-containing gas into said top static bed layer.

An apparatus for recovering metals and metal alloys, such as ferro-alloys by reducing metal oxides comprising a refractory lined shaft-like meltdown gasifier having an upper part, a middle part and a lower part for collecting molten metal and slag; characterised in that the upper part comprises a charging opening for charging coal as well as a gas discharge duct, said middle part comprises a reduction zone having

a bottom static coal-bed layer, a middle static coal-bed layer and a top static coal-bed layer to form three superposed static coal-bed layers,

in the region between the bottom static bed layer of degassed coal coverng a liquid sump of reduced metal and slag, and the middle static bed layer, a ring of blow-in-pipes for one of oxygen and oxygen-containing gas is provided to form a hot reducing gas consisting essentially of CO,

at a distance thereabove, a ring of blow-in-pipes for fine-grain oxidic charging material is provided, and

at a distance thereabove, in the region between the middle static bed layer and the top static bed layer, a ring of burners charged with carbon particles and one of oxygen and oxygen-containing gas is provided.

Comp. Specn. 15 pages Drgs. 2 sheets.

Ind. Cl. : 172 A. 172089

Int. Cl.[4] : B65H 54/02, 54/12.

APPARATUS FOR WINDING ELONGATE ELEMENTS.

Applicant : N. V. BEKAERT S.A., A PUBLIC COMPANY ORGANISED UNDER THE LAWS OF BELGIUM, OF BEKAERTSTRAAT 2, B-8550 ZWEVEGEM, BELGIUM.

Inventor : ADELIN VAN COLEN.

Application for Patent No. 955/Del/87 filed on 03 Nov. 1987.

Convention date 24 Dec 1986/8630914/U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

2 Claims

An apparatus for winding at least one elongate element (1) on a reel with a constant linear speed, said apparatus comprising an electric motor (30), a transmission (31-35) and a capstan constituting means for feeding an elongate element on a reel (6) at a desired, substantially constant linear speed of said element (1) so as to avoid breaking of said element; an induction motor (39) being connected to said reel (6) for driving said reel and for winding said elongate element (1) under tension, said induction motor (39) having a rotor resistance for providing a declining torque/rotational speed characteristic of said induction motor (39), an AC generator (37) connected to said electric motor (30) by means of a belt (31) or gear to provide a fixed gear ratio between said electric motor (30) and said AC generator (37), and said AC generator and said induction motor (39) being connected by means of a feed line (40) so that the exciting current of said AC generator (37) controls the magnitude of the frequency and voltage of a drive signal for imparting desired tension to said elongate element (1) to be wound on said reel (6) at a predetermined linear speed of said elongate element.

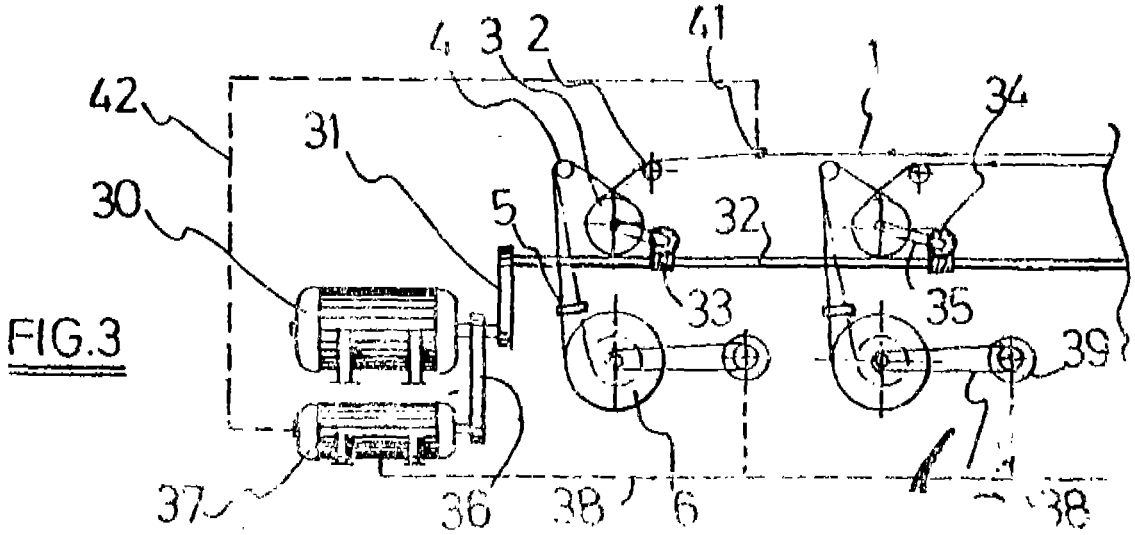


FIG.3

Comp. Specn. 13 pages. Drgs 2 sheets.

Ind. Cl. : 140 A_2 172090

Int. Cl.[5] : C 10 M 125/00.

A PROCESS FOR PREPARATION OF AN OVERBASED ALKALI METAL OR ALKALINE EARTH METAL PETROLEUM OXIDATE ADDITIVE FOR LUBRICANTS.

Applicant : AMOCO CORPORATION, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF INDIANA, UNITED STATES OF AMERICA, OF 200 EAST RANDOLPH DRIVE, CHICAGO, ILLINOIS 60601, UNITED STATES OF AMERICA.

Inventor : FRANCIS JOHN SLAMA.

Application for Patent No. 982/Del/87 filed on 17th November, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

9 Claims

A process for preparation of an overbased alkali metal or alkaline earth metal petroleum oxidate additive for lubricants useful as a detergent, dispersant, and antirust friction modifier which process comprises : (a) introducing into a reaction zone a petroleum oil such as herein described, (b) a base selected from the group consisting of an alkali metal compound or an alkaline earth metal compound to form a mixture, (c) contacting said mixture with an oxidizing gas or compound such as herein described at a temperature from —40°F to 800°F to effect oxidation of said petroleum oil and reaction of said base with the oxidized oil to form a petroleum oxidate followed by (d) carbonating said petroleum oxidate in the presence of a base selected from the group consisting of an alkali metal compound and an alkaline earth metal compound to form a reaction product comprisng an overbased alkali metal or alkaline earth metal petroleum oxidate, and (e) stripping in a known manner said overbased alkali metal or alkaline earth metal petroleum oxidate to remove water.

Comp. Specn. 25 pages. Drg. Nil.

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

The Claim made by ADVANCED ELASTOMER SYSTEMS L.P., in connection with Patent Application No. 717/Mas/88 (172066) has been allowed.

The claim made by CENTRAL ROWER RESEARCH INSTITUTE, in connection with Patent Application No. 813/Mas/88 (172072) has been allowed.

PRINTED SEALED ON 27-02-1993

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Cal—15, Mas—11, Del—07 & Bom—01

*Patent shall be deemed to be endorsed with the word "LICENCE OF RIGHT" Under Section 87 of the Patent Act, 1970 from the date of expiration of three years from the date of sealing.

D—Drug Patent. F—Food Patent.

RENEWAL FEES PAID

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RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 164802 dated the 8th July, 1985 made by The B. F. Goodrich Company, on the 5th July, 1991 and notified in the Gaette of India Part III, Section 2, dated the 30th November, 1991 has been allowed and the said patent restored.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 165514 granted to Punjab Tractors Ltd. for an invention relating to "and improved fuel feed for use with fuel intake system of a diesel engine.

The Patent ceased on the 6th February, 1992 due to nonpayment of renewal fees within the prescribed time and the cessation of the patent will be notified in the Gazette of India, Part III, Section 2 dated the 13th March, 1993.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcuta-700 020 on or before the 27th May, 1993 under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 168682 granted to IMC Fertilizer, Inc. for an invention relating to 'a process of producing purified phosphoric acid by removing aluminum magnesium and iron impurities from wet process phosphoric acid.

The Patent ceased on the 27th Oct. 1992 due to non-payment of renewal fees within the prescribed time and the cessation of the patent will be notified in the Gazette of India, Part III, Section 2, dated the 13th March, 1993.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, The Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcuta-700 020 on or before the 27th May, 1993 under Rule 69 of the Patents Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Complete Specification accepted during the year, 1990 (165741 to 167870)

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PAG Industries Inc.—166684.

PHB Weserhutte AG.—166065.

P.H. Tech. Incorporated—167105.

PRAJ Counseltech Pvt. Ltd.—166971.

Padshah, P.J.—166301.

Palani, N.—166938.

Palitex Project-Company GmbH.—167393.

Palmer, J.M. (Jr.)—167536.

Palnitkar, M.R.C.—166597.

Palnitkar, R.C.P.—166597.

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Pandian, J.A.M.—167125 & 167127.

Pannalal, N.—166788, 166810 & 167777.

Pantalone, A.—165936.

Parekh, B.M. (Mr.)—166074 & 166075.

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Parhate, S.B.—166114.

Parikh, N.R.—167411 & 167414.

Parikh, R. B.—167411 & 167414.

Parikh, R.R.—167411 & 167414.

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Patrick, A.—167542.

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Pennwalt Corporation—166197, 166444, 166847, 167352, 167372 & 167825.

Pentanyl Technologies, Inc.—167020.

Peterson Filters Corporation—167754.

Petrobras Fertilizantes S.A.—166606.

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Pfizer Inc.—165762, 165980, 166416, 166452, 166581, 166590, 167587, 167628, 167629 & 167630.

Phadke, A.B.—167430.

Pharmacia Leo Inc.—167315.

Philip Morris Products Inc.—167256.

Philips Petroleum Co.—166069, 166428 & 166443.

Piaggio & C.S.P.A.—166247, 166687 & 167752.

Pieco Electronics and Electricals Ltd.—167293 & 167774.

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Pilkington, D.—166182.

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Plessey Overseas Ltd.—166140, 167186, 167705, 167744 & 167745.

Poclain Hydraulics—165940, 166434 & 166669.

Politechnika Slaska Im.—167572.

Pont-a-Mousson S.A.—165785, 165833, 166053, 166729 & 166932.

Portal Engineering Ltd.—167284.

Portex Instrumention & Controls—166004.

Potash Corporation—165914.

Potters Industries Inc.—167531.

Power Kinetics Inc.—166746.

Power, S.H. (Dr.)—166202 & 166308.

Powerton Ltd.—167157.

Pozel S.A.—167759.

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Preformed Line Products Co.—166601, 166812 & 166931.

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Primatex Machinery Private Ltd.—166116.

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Prutec Ltd.—165922.

Pudumjee Pulp & Paper Mills Ltd.—167296.

Purolator Products Inc.—165986.

Pyronoo Inc.—167641 & 167642.

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Qualitrol Corporation—166629.

Qualter Hall & Co. Ltd.—167794.

Quantum Diagnostics Ltd.—166275.

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R.J. Reynolds Tobacco Co.—166122.

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Raja Bahadur Motilal Poona Mills Ltd.—166999.

Rajan Universal Exports (MFRS) Pvt. Ltd.—167211 & 167212.

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Randive, H.M.—167428.

Rao, D.B.K.—167846.

Rao, P. (Dr.)—166202.

Rao, R. (MS) Dr.—167688 & 167689.

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Reddy, P.N.—166300.

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Reimbold & Strike GmbH & Co.—165878.

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Ruyter, J.D.—166756.

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S & L Maskin AB.—167442.

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SDS Biotech Kabushiki Kaisha—166944.

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SKT Associates—167196.

SKF Steel Engineering AB.—166563.

S.P.A. Societa Prodotti Antibitici S.P.A.—165924.

SRF Nippondenso Ltd.—167115.

STC. PIC.—165754 & 166243.

SU Heung Capsule Co. Ltd.—167480.

Saarstickstoff-Fatol GmbH.—167562.

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Santa Barbara Research Centre—167011.

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Shimizu Kensetsu Kabushiki Kaisha—167457.

Shirgaonkar, M.P.—164769.

Shkuro, A.G.—166448.

Shridhar, S.R.—166994.

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Siebe Gorman & Co. Ltd—167090.

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Societe Annyme Dite—167106.

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Societe Des Produits Nestle .SA.—165820, 166051, 166057, 166494, 166868, 166945, 166948, 166960, 167147, 167171, 167175, 167178, 167438, 167637 & 167845.

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Societe Nationale Des Poudres Et Explosifs—166093, 166668 & 167024.

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Subarmaniam, T. S. (Dr)—166600 & 166897.

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Sullivan, M.H—167806.

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Sunavala, P.D. (Dr)—166765.

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Syrinx Research Pty. Ltd.—166753.

Szekely, L.—167857.

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TBIA Nevada State Corporation—166531.

TLV Co. Ltd—165862.

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Tata Energy Research Institute—166659.

Tata Research Development and Design Centre—166789 & 167070.

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Tube Investments of India Ltd—166698.

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Umlauf, N. (Mr)—166406.

Unilever Plc—166040.

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Unigrains—166108 & 166855.

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Uniroyal Chemical Ic—166165 & 166454.

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VISH Chimiko-Technologitcheski Institut—167243.

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Varma, B.K. (Dr)—166422.

Vatsola, T.M.—167537 & 167538.

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Vsesojuzny Nauchno-Issledovatelsky I Experimentalny Institut Po Pererabotke Khimicheskikh Volokon—166716.

Vsesojuzny Nauchno-Issledovatelsky Institut Komplexnogo Ispolzovania Molochnogo Syrya—166036.

Vssesojuzny Nauchno-Issledovatelsky I Proektny Institut Aljumine Voi, Magnievoie Elektrodnoi Promyshlennosti—166791.

Vsesojuzny Nouchno-Issled-Ovatelsky I Proektny Institut Aiju-Minievoi Magnievoi I Elektrodno I Promyshlennosti—167166 & 167227.

Vsesojuzny Nauchno-Issledovatelsky, Proektnokonstruktorsky I Tekhnogichesky Institut Elektro Termicheskogo Oborudovania (VNIIETO)—166084 & 167160.

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W. L. Gore & Associates, Inc—166493.

WST Wramerspsicherte Chnologie SA—166918.

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Weinberg, N.L.—167196.

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Widia (India) Ltd—166567.

Wiederkehr, H. (Dr)—165791 & 165792.

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Williams, D.G.—166745.

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Yim, B.D.—165915.

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Zinser Textilmaschinen GmbH—166976.

Zonagen, Inc—167608.

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REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of registration of the design included in the entry.

Class 1. No. 164392. Thothathri Srinivasan & Thothathri Samyuthkumar, Indians of 651, 11th Main Road, 5th Block, Jayanagar, Bangalore-560041, Karnataka, India. "Air Cooler". May 20, 1992.

Class 1. No. 164688. ITW Signode India Ltd. of Lulla Centre 5 S. P. Road, Begumpet, Hyderabad-500016, A.P., India, Indian Co. "Serrated seal for securing non-matallic strap ends". August 21, 1992.

Class 1. No. 164753. Sumeet Machines Pvt. Ltd. of A/11-2 & A/11-3, Ambad Industrial Estate, Addl. Nasik Industrial Area, Nasik-422010, Maharashtra, India, Indian Company. "Mixer-jar". September 7, 1992.

Class 1. No. 164925. Aditya Promoters Pvt. Ltd., C-29, Friends Colony, New Delhi-110065, India, Indian Company. "Flask". October 29, 1992.

Class 1. No. 164996. Geep Industrial Syndicate Ltd. of South Road, Allahabad, U.P., India, Indian Company. "Torch". November 17, 1992.

Class 3. No. 164391. Smt. Chandaramani Srinivasali trading as International Fibreglass Products of 3038, 8th Main Road, Hall II Stage, Indira Nagar, Bangalore-560038, Karnataka, India. "Box for two wheelers". May 20, 1992.

Class 3. No. 164434. Colgate-Palmolive Company of 300 Park Avenue, New York, New York 10022, U.S.A. "Aerosal container with cap". June 3, 1992.

Class 3. Nos. 164442 to 164445. Indian Dynamics of Plot No. 168175, Jawahar, Co. Op. Inds. Estate Ltd., Kamothe, Panvel-410209, Maharashtra, India. Indian Partnership Firm. "Battery containers". January 4, 1992.

Class 3. No. 164609. Time Packaging Ltd. of 604, Vishwananak, ICT Link Road, Chakala, Andheri (E), Bombay-400099, Maharashtra, India, Indian Company. "Clamping Ring". July 21, 1992.

Class 3. Nos. 164618 & 164619. The Procter & Gamble Company of one Procter & Gamble Plaza Clincinnati,, State of Ohio, U.S.A. "Cap with nozzle". July 23, 1992.

Class 3. No. 164668. Signode Corporation of 3610, West Lake Avenue, Glenview, Illinois 61025, U.S.A. American Company. "Buckle for securing packaging straps". August 12, 1992.

Class 3. No. 164670. Luxor Pen Company of 229-Okhla Industrial Phase III, New Delhi-110020, India, Sole Proprietory Firm. "Pen". August 12, 1992.

Class 3. No. 164683. Hawkins Cookers Ltd. of F-101, Maker Towers, Cuffe Parade, Bombay-400005, Maharashtra, India, Indian Company. "Spatula". August 20, 1992.

Class 3. No. 164721. Kalpana Industries of 405-A, Byculla Service Industries, Dodoji Kondev Marg, Byculla, Bombay-400027, Maharashtra, India, Indian Partnership Firm. "Water Bottle". August 28, 1992.

Class 3. No. 164754. Sumeet Machines Pvt. Ltd. of A/11-2 and A/11-3, Ambad Industrial Estate, Addl. Nasik Industrial Area, Nasik-422010, Maharashtra, India, Indian Company. "Mixer-work bowl cover". September 7, 1992.

Class 3. No. 164797. Xclusive Wood Care Industries (P) Ltd. of B-5, Tagore Market, Kirti Nagar, New Delhi-110015, India, Indian Company. "Container". September, 17, 1992.

Class 3. No. 164900. Rangasamy Selvaraj of 9/27, Boyer Street, Kalikanaicken Palayam Pudur, Sundappalayam (PO), Coimbatore 641007, T. N., India & Natarajan Venkatesh of 113, West Ramalingam Road, R. S. Puram, Coimbatore-641002, T.N., India both Indian Nationality. "Wet Grind". October 16, 1992.

Class 3. No. 164914. Bermad of Kibbutz Evron, 25235 Doar Na Oshrat, Israel, Israeli Partnership Firm. "Valve Casing". October 22, 1992.

Class 3. No. 164924. Aditya Promoters Pvt. Ltd., C-29, Friends Colony, New Delhi-110065, India, Indian Company. "Flask". October 29, 1992.

Class 3. No. 164982. Rama Krishna Moulder, 5211-Kolhapur House, Kothapur Road, Delhi-110007, India, a proprietory firm. "Vaccum Flask". November 12, 1992.

Class 3. No. 164685. Kenzo, French Company of 3 Place des Victories, 75001 Paris, France. "Bottle". August 20, 1992.

Class 3. No. 164912. McDowell & Co. Ltd., Indian Company of McDowell House, 3 Second Line Beach, Madras-600001, T.N., India. "Bottle". October 21, 1992.

Class 12. No. 164646. Richie Rich Products, A-18, Ram House, Middle Circule, Connaught Place, New Delhi-110001, India Indian Proprietorship Firm. "Wall clock-toy". July 31, 1992.

Class 12. Nos. 164889 & 164890.—do—. "Soap Bar". October 14, 1992.

Class 12. Nos. 164498 & 164499. Mohan Exports (India) Ltd., Indian Company of Mohan House, Zamrudpur Community Centre, Kailash Colony Extension, New Delhi. India. "Textile Fabric". June 29, 1992.

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